

DES calls for regional in-service machinery

By Judith Judd
Regional machinery to coordinate in-service training is urgently needed, says the Department of Education and Science in its background paper for the great debate. The paper says that there is a risk of inter-competition and isolation in school-based training. This and other forms of in-service training should therefore be able to draw on support from universities, teachers' centres, subject associations and other agencies. The three and four-year courses give little enough time for the acquisition of the necessary skills and there is a pressing need for induction and subsequent in-service training. For those who take a one-year postgraduate certificate of education course the need is even more urgent.

In-service training is also vital to keep more experienced teachers up to date. Here, the paper suggests, school-based training has an important part to play "since it takes into account the immediate circumstances and constraints of a school". The paper voices a concern that "the mutually profitable partnership with schools that the training

institutions have sought has been in some cases too exclusively based on a view of education that properly held children in the focus of attention but without relating them closely enough to the total social context of their lives". Through the accusation that teachers are remote from "real life" is over-generalized, it may be that too many teachers start their career having little knowledge of the realities of daily life and of industry and commerce.

A case could be made that every student training as a teacher should acquire a good understanding "of the living and of the circumstances in which pupils will spend their working lives".

On academic standards among student teachers, the paper says that, apart from the already established aim of a normal requirement of two A-level passes, certain qualifying standards in English and mathematics, perhaps at O level, must be considered.

Education and training institutions have tried to adapt to the changing needs of schools and to equip new teachers with the ability to judge what innovations should take place.

NELP building to restart as cleaners end picket

Cleaning staff at North East London Polytechnic have called off their five-month long picket of the college's Highbury campus and teaching is likely to resume at the building early next month. The cleaners' union took strike action over the allegedly dangerous level of asbestos dust in the annex, brought in to teach in a hall. Students in the School of Independent Study and in the college's fashion and textile design diploma course and MSc programme in educational psychology had to be temporarily rehoused. Thousands of pounds worth of equipment which has built up since September may have to be replaced or renovated.

After talks with Dr George Brown, the polytechnic director, and local authority representatives last week the cleaners agreed to call off their picket as that building work started last summer could be completed. A firm of industrial cleaners, appointed by the Transport and General Workers Union, to which they belong, is to move in and clean the annex before it is used again.

More than 200 students have been hit by the cleaners' action. The School of Independent Study, which

caters for 140 Diploma in Higher Education students and those taking degrees by independent study, was housed in Portakabins last October.

Mr John Stephenson, head of the full-time DipHE programme, told THE TIMES: "We have been at a considerable disadvantage. We have not been able to gain access to teaching materials in the annex and this has had to make do which has obviously had some effect on the course."

Although Mr Stephenson says there has been a "Dunkirk spirit" among staff and students for instance, he has not had a recent desk or chair since the start of term last October. The school's administrative staff have been on paid leave since last December because of conditions in the Portakabins which has presented a further difficulty.

Mr Alec Wallbridge, course tutor for the educational psychology programme, said this week that his students and the local community had suffered. "Practical work with children with learning and behavioural problems from nearby Playtown, rated an educational priority area, had been halted."

Squeals over Oakes committee

Appointed by the Secretary of State and Lord Alexander, the Education Committee, the Oakes Committee, headed by Sir Robert Oakes, has been set up to investigate the future of the Higher Education Council. The committee is chaired by Sir Robert Oakes, former director of the Higher Education Council, and includes Sir John Gifford, former director of the Higher Education Council, and Sir John Gifford, former director of the Higher Education Council.

The Association of Principals of Colleges is represented by Mr. L. E. Parry, former principal of Brighton Technical College. Nominated by the Committee of Directors of Polytechnics are Sir Arthur Wood, former principal of the City of London Polytechnic, and Dr Raymond Ricketts, director of Middlesex Polytechnic.

Nominated by the Council of Local Education Authorities are: Sir Ashley Bramall, leader of the Inner London Education Authority; Mr. K. Broadbent, chief education officer of Birmingham; Mr. W. V. E. Cairns, chairman of the Nottinghamshire Educational Committee; Mrs. F. L. Coker, from Essex County Council; Mr. J. R. Horrell, chairman of Cambridgeshire County

ILEA clash looms over poly audit

A confrontation between the Inner London Education Authority and at least one of its polytechnics seems likely over its right to audit their books.

At a meeting last week between the directors and Mrs M. J. Ross, chairman of the ILEA further and higher education sub-committee, Dr Colin Adamson, director of the Polytechnic of Central London, made clear his opposition to the audit. His colleagues, however, agreed with the audit in principle but not with the proposed peripatetic auditors.

In putting the audit scheme before the education committee this week Mrs Ross announced what most London directors see as a concession to protect polytechnic autonomy. She said there would be further discussion with directors on the method of the audit. The audit will be based at the individual polytechnics, seconded from the Greater London Council staff and working inside the polytechnics alongside their own accounting staff.

This compromise is likely to satisfy the directors of Thames City of London and North London Polytechnics and, it is understood, may lead Mr Vivian Pereira Mendonça, director of the Polytechnic of the South Bank, to drop his opposition. At a meeting last week he described the ILEA as "misguided and ignorant".

Dr Adamson has criticized the authority for its policy on overseas students and attempt to control polytechnic spending through the audit. He is understood to have threatened to bar the ILEA auditors from his polytechnic.

Two given top French honour



Mr Jacques Grosjean

Mr Jacques Grosjean, head of the applied mechanics group at Bath University, has been made a Chevalier de l'Ordre National du Mérite—the highest civilian honour in France—for his pioneering work in developing the university's unique courses in engineering with a foreign language.

Mr Grosjean was born and educated in France until 1940 when, at the age of 16, he emigrated from Brittany to a small town in England. He then studied for a BSc in engineering at Bath. After the war he took an engineering degree at London University and has worked in England ever since first in industry and then at Bath.

Much of his time has been devoted to Bath's engineering with French degree, launched in 1966, and the engineering with German course that followed it. Frequent visits to France have created valuable teaching and research links between his university and French engineering schools and industry. The honour has also been bestowed on Professor Sir Nevill Francis Mott, honorary professor of experimental physics at Cambridge University and senior research fellow at Imperial College, London.

Liverpool chemists close to total enzyme synthesis

A significant scientific achievement within the reach of a team of Liverpool University chemists: total synthesis of an anti-bacterial enzyme called lysozyme, which is more than twice the size of any protein molecule previously synthesized.

Professor George Keener, Royal Society Research Professor at Liverpool, announced at a Chemical Society lecture in London last week that after six years' work his research group has put together the sequence of 129 amino acids that make up a lysozyme molecule. They must now remove all the "protecting groups" attached to sensitive parts of the molecule as it was built up, and purify—and hopefully crystallize—their material.

These last stages are very tricky, involving new methods of chromatographic separation, but Professor Keener expects to complete them successfully. He will then have made a protein whose molecular weight is more than twice that of insulin, the first artificial protein obtained pure so far.

Crystallization of pure lysozyme

would be a major triumph of classical organic chemistry, for the Liverpool group has relied essentially on a wide range of well-tried techniques, starting with short chains of a few amino acids and systematically assembling them into larger and larger polypeptide units until finally a molecule with 129 amino acids. Reactions were carried out in solution with full use of protecting groups.

Professor Keener had consulted some of the world's leading protein chemists before embarking on his project, and there was a widespread feeling that the old synthetic approach would not work for such a big molecule.

His method contrasts with a solid phase synthesis preferred by many research laboratories, where one end of the growing polypeptide chain is chemically bonded to a resin, usually polystyrene, and amino acids are added to the end and one by one. This route has so far produced an inseparable mass of compounds when applied to larger proteins like lysozyme.

UEA warned of 30 per cent cuts if staff left untouched

If staff budgets at the University of East Anglia are left untouched, non-staff budgets will have to be reduced by 30 per cent in 1977/78, the university's resources committee has predicted.

In a discussion document on estimates, expenditure and savings, signed at a meeting last week, the committee estimates that the 4 per cent cut in the university's income in 1977-78 will in practice mean a deficit of £400,000 or 5.7 per cent on this year's planned spending.

Wages and salaries account for 78 per cent of expenditure, it says. It cannot be guaranteed that there will be a 6 per cent wastage of staff, and even if there was, the posts concerned might be crucial to the running of the university.

"And yet we see little point in looking only to non-staff costs to

take the whole of the 6 per cent. This would mean reducing non-staff expenditures by an average of 30 per cent.

The committee says that just because the university's accounts are expected to balance this year, it must not be misled into thinking that everything is all right. The university would be seriously unbalanced next year unless real action was taken in the next few months.

"By taking appropriate action the university will give itself some chance to meet the order and reasonably planned changes and the institutions and the respective responsibilities of the authorities, regional and national bodies."

It should also focus attention on the problems of the next 10 to 15 years, bearing in mind that higher education numbers are unlikely to increase much after the early 1980s and may fall towards 1990. "Temporary expedients will be needed under pressure on student places, discipline and an earlier financial situation enables to arrange arrangements to be made". Planning, says the paper, will have to be for rationalisation rather than development.

Universities better off

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The Committee of Vice-Chancellors and Principals has put to the Government the need for a healthy fund of about £5m to help students in difficulties over tuition fees.

At a meeting last week with Mrs Williams, Secretary of State for Education and Science, the vice-chancellors expressed their concern about the high level of fees for 1977-78 and said that, bearing in mind the percentage increase over this year's levels, the hardship fund might be increased proportionately. Among other topics discussed was the proposed new courses at universities. Sir Roy Marshall, CVCP secretary-general, said if they were to take another 4,000 students in these subjects, the Government would be asked to fund the extra years' time the university population would be 285,000; more than half the £60,000 total higher education target for 1981. The White Paper, A Framework for Expansion, has said that by 1981, the total would be divided equally between universities and polytechnics.

Mrs Williams said that their grant for 1977-78 was not likely to be reduced by as much as 4 per cent.

Protest students change minds on ceremony

The students' union of London University's Institute of Education changed its mind about the opening ceremony of the institute's new building.

"At a meeting last week students voted to rescind their earlier decision to oppose the opening ceremony which was to have been formed by Queen Elizabeth, the Queen Mother, on March 1. The students had agreed to boycott the ceremony in protest against education cuts. Now they say that the ceremony will take place as is convenient."

NEXT WEEK

Profile of Polytechnic of West of Scotland
Engineering and science
Australia's new universities
Murdock
Henry Chilver: the industrial crisis
The SRC and high energy physics
Talking point

LMH to leave NUS?

The Junior Common Room of Lady Margaret Hall, Oxford, voted this week to disaffiliate from the National Union of Students. The voting was 43 to 37, but the decision is now to go to a ballot.

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THE GREAT DEBATE

Public sector 'no change' as Oakes begins

by Judith Judd and David Walker

The Government has issued a paper for the Oakes Committee's first meeting this week which seems to rule out any substantial changes in the way the public sector of higher education is run.

The paper says the binary system will remain, with important consequences for the group's work. The universities were less adaptable when higher education numbers were relatively stable while the key characteristic of public sector institutions was that of meeting needs expressed by student demand and requirements for qualified manpower.

The result of this was that the system of management should not isolate higher education from further education "so that there is scope for staff and buildings to be transferred from one to the other to meet changed circumstances."

Another was the need of institutions and staff to be adaptable to change. "The latter's management in regard to tenure, premature retirement, redundancy, retraining, safeguarding and redeployment will need to reflect this."

The paper says that the local authority role in higher education will remain and there will need to be coordination with the universities. Relations between central and local government, including finance, will also remain as they are.

To begin with, the group should concentrate on the present arrangements for financing higher education and the relationship between the authorities and the institutions and the respective responsibilities of the authorities, regional and national bodies.

It should also focus attention on the problems of the next 10 to 15 years, bearing in mind that higher education numbers are unlikely to increase much after the early 1980s and may fall towards 1990. "Temporary expedients will be needed under pressure on student places, discipline and an earlier financial situation enables to arrange arrangements to be made". Planning, says the paper, will have to be for rationalisation rather than development.

A possible aim the committee should try to make the most cost-effective provision within the available resources, to meet the demand from students of any age.

On widened facilities for science and technology it warns that "the management system must be responsible" for a considered national decision as to what extent resources should be kept in being in expectation of future demand, or diverted to other uses.

A major criticism of the present management system is the lack of accountability.

The problem of the committee is to ensure that staff can be accountable to governing bodies, governing bodies to their parent authorities, academic bodies to their parent bodies, authorities to their parents, and the Government to the public.

The paper stresses that it is not intended to be prescriptive but to promote discussion. A "strong" group of members has revealed their uncertainty about the future of the polytechnic. For example, before this week's meeting Council member Malcolm Thompson spoke of the need of a "representative" of the National Association of Teachers in Further and Higher Education.

Authorities' bid to tighten grip threatens poly autonomy

by Sue Reid

Local authorities are making a new and determined attempt to increase their control over the teaching and non-teaching staff establishments in polytechnics and drastically weaken the hand of governing bodies.

The controversial move, which is threatening the autonomy of the colleges, faces vigorous opposition from polytechnic staff. But in the past month at least five authorities have taken action designed to curtail the power and responsibilities of governing bodies of the colleges they fund.

Haringey, Barnet and Enfield, which jointly control Middlesex Polytechnic, have submitted a revised draft of the college's instruments and articles of government to the Department of Education and Science which, if approved, will curb the polytechnic's control of staff numbers and grades.

The move, expected to open the floodgates for similar proposals, has won the backing of Cleveland authority, which funds Teesside Polytechnic. It has offered to join representatives of the three London authorities in sending a delegation to the DES to press for more local government power in polytechnic administration.

A document outlining methods of bringing the staffing establishment at Newcastle Polytechnic more firmly under local authority control has been drawn up by Newcastle City Council. It has already been received by the authority's education committee and will be discussed by the polytechnic council next week.

At Kingston discussions are also under way between the authority and the polytechnic about the control of the non-teaching staff establishment.

Last December the annual general meeting of the Association of Metropolitan Authorities voted in favour of strengthening authorities' control over polytechnic staff. The association, whose constituent authorities passed 18 of the 30 polytechnics in England and Wales, passed a motion, proposed by Haringey and seconded by the Inner London Education Authority, which

stated: "Those local authorities which maintain polytechnics must have direct control over the staff of such establishments in order properly to discharge their full financial and other responsibilities."

The revised draft of Middlesex Polytechnic's articles of government allows for the joint education committee, made up of members of the Enfield, Barnet and Haringey authorities, to assume full control of the numbers and grades of teaching and non-teaching staff, a responsibility currently in the hands of the governing body.

The draft, made necessary because of recent college mergers with the polytechnic and the time since the original instruments and articles were drawn up, also reduces academic and student representation on the governing body.

It is expected to provide a test case. The instruments of most of Britain's polytechnics are aligned with a DES model allowing maximum autonomy, and the department may not be a willing participant in plans to weaken the role of governing bodies. Mr Gordon Oakes, Minister of State overseeing higher education, has already refused to meet the delegation from Haringey, Enfield, Barnet and Cleveland but talks are going on at officer level.

A DES spokesman said this week: "We are now in the process of consultation." But he added: "In general the department believes that the powers of governing bodies should not be reduced."

Governors of Huddersfield Polytechnic will appeal to Mrs Williams, Secretary of State for Education, against Kirkstons Council's plan to reconstruct the polytechnic's governing body. The governors wanted a governing body of 35 to serve for three years with 11 local authority representatives, 18 academics and six from industry.

This week the council approved a scheme for a governing body of 37 to serve for four years to consist of 11 local authority representatives, 14 academics and 12 from industry.

Professor loses 'right to supervise my subject' claim

by Frances Gibb

Edinburgh University's court has rejected a professor's claim that if teaching in his subject is not done under his supervision the university is in breach of contract.

The Duncan McMillan, professor of Romance linguistics, claims that under the terms of his contract of employment he has statutory responsibility for all teaching in Romance linguistics or any course definable as contrastive description of modern neo-Latin languages.

He is objecting to proposals by the department of French to introduce, in October 1978, a new course entitled the history of French and related languages. Professor McMillan said that the university could not lawfully do this without his consent. He had been legally advised that the university was in breach of his contract of employment. He had not yet decided whether to take legal action.

The new course was an unmitigated and in its present form should not be taught at all, he argued. He claims that he was not consulted over proposals for the new course.

The issue first arose 15 months ago and after discussion on various committees was brought before the court. The university's view is that the professor's claim that any member of staff has the right to insist on instruction should take place in a certain subject except under his supervision or with his permission is "necessarily unreasonable".

A spokesman said it had always been understood within the university that a course could be mounted provided it had been through the proper procedure of boards of studies and the senate. This principle was implicit in the running of the university. A professor could not have the sole right of veto.

The issue has occasioned an inquiry by a standing committee of court comprising academic staff on the rights and responsibilities of professors and heads of departments in relation to teaching.

The three Lords of Appeal (Lord Fraser and Lord Russell) dismissed the petition saying that no case had been shown which called for any directions by the Visitor (Mr. Gwynn) to whom the petition was addressed.

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MRC expects 2% cut

by Clive Cookson

The Medical Research Council is expected to make a 2 per cent cut in real income for 1977/78.

The budget for 1977/78 will be £57m, compared to £52m for 1976/77. This is likely to mean a two per cent fall at constant prices.

The MRC is to give priority to grants for individual research projects last year, a maximum of three years' support in the form of five-year programme grants.

Scientists are being advised to seek support for their research under the project grant scheme unless they can show a case for believing that a programme grant application might be given a very high priority. Decisions on programme grant applications will be delayed until the summer, when they will be considered together in competition, and they are likely to succeed "only in the most exceptional circumstances".

The MRC hopes to make substantially more money available for project grants. "Since more applications are being received, however, it seems unlikely that any improvement in the proportion of successful applicants will occur," the council says.

It is clearly trying to reduce its long-term commitments because of the uncertain financial outlook. The number of training awards is to be cut slightly this year.

Nearly 900 students at the London School of Economics voted on Wednesday to continue their occupation, in protest over fee increases. Full story page 3



Authorities' bid to tighten grip threatens poly autonomy

by Sue Reid

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John Pick 1978

Government seeks industry link on scholarships

by Alan Wood

The Government is examining a possible scheme for industrial scholarships. Lord Winterbottom revealed this in replying for the Government in a Lords debate last week on the attitude of society, and particularly students, towards industry.

It was not possible to give details but the basic elements were that it would be run in collaboration with industry and would be intended for especially able students taking particular courses in engineering and technological subjects, he said.

The other type of cash incentive in mind had already been announced—students may in future receive payments by employers of up to £500 a year without any reduction in their awards, until now the maximum had been £185.

Lord Rochester, who initiated the debate, said the idea seemed to have gained ground among students that careers in industry were not simply unattractive but, in some way or other, selfish. Yet surely services could be rendered to the community as much in industry as in schools, hospitals and the social services. If graduates were not to play a significant part in supplying industrial leadership, where else was it to come from?

Industry could do much more to ensure that students generally had a much better idea of what actually went on in it, the attractions it

had to offer and the great service that could be rendered to the community. Large industrial organizations had little to fear in presenting themselves in this way for comparison with other large institutions.

Lord Carr of Hadley, for the Opposition, said the fact that people should judge the value of an industrial or commercial enterprise was the double one of, first, to make a profit and, second, to use that profit to the genuine benefit of society.

That industry could carry that message with conviction he did not believe progress would be made in raising the esteem in which industrial and commercial activities were held by the country at large and young people in particular.

Lord Seebohm said the Careers Advisory Service for school-leavers was distressed; he thought it incompetent and biased. It should be taken right out of the education system.

Lord Bowden said that the comparison of salaries offered to graduates in the two fields and those going into factories showed a 1,000 difference two years ago in favour of the former. This problem, which had come about in the past five years, had not been foreseen and they must not be surprised at the consequences.

Lord Tedder said in Germany scientists and technologists in industry could hold university

appointments, a system which should apply in Britain, where the system existed only in medicine.

Scientists and technologists should be seconded to universities at part-time staff at around the size of 20 and on a five-year contract. Their duty, in addition to teaching, would be to purify their own profession.

Lord Winterbottom, for the Government, said admissions to university degree courses in science and technology subjects fell in the early 1970s but had recovered since 1974. Within the total, engineering had been doing particularly well. CNEA courses were also attracting more students and admissions to engineering increased by 10 per cent in 1976.

Nevertheless, there were still many empty places in science and technological subjects in universities and polytechnics. There were 27,000 this year which 24,000 were at university and 3,000 in polytechnic.

But there were signs that admissions would rise. The latest figures from the Universities Central Council on Admissions showed that the applications for 1977 entry to universities were 3 per cent higher than in 1976 for the pure sciences, and no less than 18 per cent higher for engineering. The most notable increase was in production engineering which was up by 30 per cent.

Keele boosts science intake by 50 per cent

by Frances Gibb

Keele University has increased its science intake by 50 per cent in the last three years. Professor Stewart, the vice-chancellor, in his annual report for 1976, said: "This follows the introduction of three-year degree courses. Normally Keele courses last four years, but since 1972 students have been able to opt for the three-year course."

Like the four-year course, the three-year course requires students to take both science and non-science subjects in the first part of the year, but it differs in requiring a named A level as an entry condition.

Much of the university's programme of expansion in science is now possible to add new combinations of subjects to the existing language options which largely comprised the course.

Commenting on the Government proposals to increase tuition fees, Professor Stewart said the university is particularly concerned about the effects the increase will have on the flow of students.

In the last year I have attended several such bi-centennial conferences, in Europe and America. I am extremely doubtful of the value of such occasions while remaining steadfastly committed to attending them. Who knows what fragment of truth one may pick up along with the imitation leather zip bag donated by courtesy of an international connoisseur who, incredibly, wish it to be known that "at every moment of the day we touch your lives".

The first conference took place at Schloss Leopoldsdorf in Salzburg, and was the first of five international conferences in the series which began in September, 1976, in Washington. At Salzburg I was to chair a session on popular culture and to deliver a short paper. Having spoken for the requisite 20 minutes (this being the newly agreed standard unit for "conference man") I was duly cut down to size by an Irish delegate who claimed to "speak for the gutter"—a claim I was in no position to challenge. He then proceeded to deliver a paper on "the American psyche" which I found to be a most revealing and obvious future in academic politics, then slumped back into his chair to glower morosely at me for the rest of the conference.

We were the first to attend the reception at which 100 people stalked the room staring at one another's laps or breasts or whatever appendage happened to sport the international badge of conference man. I naturally enjoyed every minute, though little sticks in my mind now except the courteous hospitality of the Salzburg seminar and two or three sessions which, for one reason or another, stirred the blood.

During the opening address, for example, an English novelist performed out over some moral scruples as to minutes as to escape the notice even of those academics who are instinctive admirers of the full gesture.

Another session which raised collective blood pressures was a general one on the future of American studies in Europe. Following two excellent papers which were promptly ignored, one of the American conference organizers carried away by who knows what surge of liberal guilt and academic integrity, invited us to say that American money was a constant threat to our academic independence—in other words that they were crooks and we were corrupt.

For a few seconds everyone stared at everyone else as mutual suspicions crystallized. The ghost of Henry James materialized, delirious and swiftly withdrawn. Then a Frenchman ever obliging, stood up and denounced American academic and economic imperialism, snuffing the white with all the eagerness of a Labrador puppy who has just captured a stick from the post pit.

Having by now thrown all caution to the winds, the ambassador then delivered the coup de grace to 30 years of effort to establish the independence of American studies, explaining that as teachers of that subject we were essentially doing the same job as he was, that we were in fact ambassadors for America. Moreover, he felt sure that as a result "we felt a pitter-patter in our hearts everytime Old Clay was pulled to the top of the flag pole". But then perhaps he meant palpitations.

Chris Bigsby

Don's diary

Research USA

Since the word "research" has these days been stretched nearly to breaking point, being applied with unashamed élan to an afternoon in the British Museum or a jet flight to Acapulco, the academic with a desire to pursue knowledge anywhere with a temperate climate and a reasonably soft currency has been forced back on to the conference circuit.

In a good year that may mean more than a week in Bulgaria discussing the future of the national theatre. But, for students of America, 1976 was a very good year. The bicentennial of American Independence, indeed, was like a combination of the Marshall Plan and a Conk's tour. It fostered a deeply entrenched academic instinct: the desire to display arcane knowledge, preferably below latitude 40 N; the need publicly to denounce the work of anyone else engaged in the same line of research; and the wish rigorously to test the much overrated theory that one only has to dress a girl in puce, put a plastic tray in her hand, and hurl her through the air at an altitude of 35,000ft for her morals to disintegrate.

In the last year I have attended several such bi-centennial conferences, in Europe and America. I am extremely doubtful of the value of such occasions while remaining steadfastly committed to attending them. Who knows what fragment of truth one may pick up along with the imitation leather zip bag donated by courtesy of an international connoisseur who, incredibly, wish it to be known that "at every moment of the day we touch your lives".

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Another session which raised collective blood pressures was a general one on the future of American studies in Europe. Following two excellent papers which were promptly ignored, one of the American conference organizers carried away by who knows what surge of liberal guilt and academic integrity, invited us to say that American money was a constant threat to our academic independence—in other words that they were crooks and we were corrupt.

For a few seconds everyone stared at everyone else as mutual suspicions crystallized. The ghost of Henry James materialized, delirious and swiftly withdrawn. Then a Frenchman ever obliging, stood up and denounced American academic and economic imperialism, snuffing the white with all the eagerness of a Labrador puppy who has just captured a stick from the post pit.

Having by now thrown all caution to the winds, the ambassador then delivered the coup de grace to 30 years of effort to establish the independence of American studies, explaining that as teachers of that subject we were essentially doing the same job as he was, that we were in fact ambassadors for America. Moreover, he felt sure that as a result "we felt a pitter-patter in our hearts everytime Old Clay was pulled to the top of the flag pole". But then perhaps he meant palpitations.

Chris Bigsby

Campus trends seen through media eyes

Martin Trow

How does anyone know or learn about what is happening in American colleges and universities? Apart from the handful of specialists (who have their own research problems) most people must depend on the sections, magazines and newspapers, and when something especially newsworthy is happening, on television. But the picture the mass media present of our colleges and universities is, on the whole, simplified and distorted.

I am afraid that is almost inevitable, given the nature of our system of higher education and the media themselves. This is so first because of the enormous heterogeneity of the American system, with its 3,000 colleges and universities, 10 million students, half a million to hers. And it is difficult to exaggerate how very different these situations are from one another. For example, public junior (community) colleges as compared with private research universities—but even within categories: for example, most California community colleges are really very different from the community colleges that are part of the City University of New York.

As a result almost anything one might say about American higher education is true somewhere; almost nothing one can say about it is true everywhere. The system is not only heterogeneous but also fast-changing, in response to myriad and largely unmanageable pressures, as well as political or administrative decisions.

Quite apart from the effects of the size and diversity of the system, I can say about American higher education that it is not only heterogeneous but also fast-changing, in response to myriad and largely unmanageable pressures, as well as political or administrative decisions.

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NUS proposes arts research council to help fight cuts

by Judith Judd

A council should be established to fight attempts to cut back arts research, the National Union of Students says in a paper on the future of postgraduate education.

The paper, the NUS's latest contribution to the education debate, also says that research councils should be concerned with funding research projects and not with postgraduate education. "Adequate funds to support postgraduate studies should be transferred to the Universities Grants Committee and its equivalent bodies for allocation to institutions on the basis of academic merit."

This would prevent the duplication of effort between the UGC and the research councils and the segmentation of knowledge which the rigid structure of the research councils promotes.

An Arts Research Council might help combat the low view of arts research, the paper says: "If there are any further cuts in arts postgraduates the teaching capability of many departments will decline. There is already evidence of the development of unfavourable staff/student ratios as a direct result of research cutbacks."

Industry should be made aware of the values of MA and MSc qualifications, for which less emphasis should be placed on formal written examinations and more on project work.

Postgraduate research is under attack, says the paper. It says the suggestion that research should be geared to the needs of society and the economy is "quite incoherent". "This would lead to research being done for profitability rather than academic excellence, and if taken to its logical conclusion would end all pure arts research."

The NUS finds tacit acceptance of industrial and business interests with the research sector "very disturbing". It says that there are already cases of industrially sponsored students being prescribed very narrow projects and often being "letted away from projects without our problems in their sponsoring industry."

Proposals to introduce a taught course to PhD level were misguided, though a taught induction course should be given from September to December to first year PhD students.

The paper says there are 9,000 self-financing postgraduates, as many as 25 per cent of whom may be forced to stop studying because of the recent increase in tuition fees.

This would cause distortion in postgraduate education. In subjects where there was inadequate financial support study at postgraduate level would virtually cease in all but the largest institutions.

The decline in the arts, particularly in the arts, non-business social science and non-applied science, would have a major impact on its teaching at undergraduate level.

They have produced a report as the first shot in a campaign to give the subject a new lease of life. In an introduction Professor I. C. Chesman, chairman of the School of Transportation at Southampton University, says that transport studies ought to be recognized as a discipline with the same integrity as engineering, science, law or medicine.

According to the report, which is addressed to the University Grants Committee and the Council for National Academic Awards, transport studies has a well-defined core in economics, to the teaching of which the history of transport and planning could well be added.

The Teaching of Transport Studies, SSp from The Centre for Transport Studies, Cranfield Institute of Technology.

Grading 'unsound and undesirable'

by Judith Judd

The grading system in higher education is educationally and socially undesirable, according to a book published by the National Union of Students. The Grading Game, by Brian Klug, describes different types of academic assessment, profiles and argues that any method of assessment as a true test of a student's aptitude may vary considerably from student to student.

If this was so, it was a fallacy to insist upon uniformity in assessment methods in the name of usefulness or fairness. Mr Klug says: "I am not so much concerned to make the educational competition later as to make education non-competitive."

He concludes with the best example he knows of an academic profile, the graduate profile of the Birmingham School of Architecture. The Grading Game, from NUS Publications, 3 Endsleigh Street, London, WC1, price £2.20.

In addition, the Standing Committee of Museums and Galleries would be holding a conference on circulating material, with a view to improving access to national collections.

Dr Strong said this week that the department's work, which involved organizing the removal of exhibitions from one place to another, could be done by three members of staff, and the staff who were engaged on making new exhibitions would be redeployed as far as possible in other parts of the museum.

The museum is required to lose 81 of its 700 posts by April next year.

While the closure of the department represented the end of a tradition, he said it was time to examine whether the country should move towards a national museum service, or whether regional museums should lend their own exhibitions to each other.

3 awarded chairs

Strathclyde University has promoted three readership chairs to personal professorships in recognition of academic distinction. They are Dr Francis Fish and Dr Geoffrey Wood of the department of pharmaceutical chemistry, and Dr John Sherwood of the department of pure and applied chemistry.

UGC sets up Atkinson study

by Judith Judd

The University Grants Committee has launched a series of research studies on the implications of the Atkinson report on capital provision for university libraries, published last summer. The decision follows a meeting with the Association of University Teachers which expressed the concern of many members about the report's implications.

Critics are that university librarians were not sufficiently consulted before the report was produced; that it took no account of the differing research needs of institutions and that its proposal that after reaching a certain size libraries should relegate a certain number of books to storage, would be costly.

A steering committee is being set up under Dr Anne Whitmore, vice-principal of Lady Margaret Hall, Oxford, and a member of the UGC, to advise the UGC members, various research interests and will supervise the research studies.

Topics likely to be covered include the costs and best methods of re-eligating stock in storage and the needs of research.

Museum loans go on despite V and A cuts

by Judith Judd

The Victoria and Albert Museum continues to circulate to local museums, colleges and universities about 90 per cent of all material presently available, despite the closure of its regional services department.

Mrs Williams, Secretary of State for Education and Science, announced in a written Parliamentary answer last week that she had decided to implement the proposals of Dr Roy Strain, director of the Victoria and Albert, to close the department in order to meet the 10 per cent Civil Service cuts.

She also said that the Government was preparing a scheme to indemnify the projected 100 museums. This would enable not merely the Victoria and Albert but any of the national collections to make objects available without requiring payment for insurance.

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OU still waits for grant

by Judith Judd

The Open University has received its block grant for the current academic year from the Department of Education and Science. The delay in the grant, due last July, has been caused by changes in the way of its assessment.

Firstly, the level of the current grant has been determined by the previous year's inflation allowance made for inflation in the academic year.

The grant is being assessed on a cash limit basis with a further allowance expected in the new financial year. The University is now in the process of financing other work.

Stirring the blood

by Judith Judd

The first conference took place at Schloss Leopoldsdorf in Salzburg, and was the first of five international conferences in the series which began in September, 1976, in Washington. At Salzburg I was to chair a session on popular culture and to deliver a short paper. Having spoken for the requisite 20 minutes (this being the newly agreed standard unit for "conference man") I was duly cut down to size by an Irish delegate who claimed to "speak for the gutter"—a claim I was in no position to challenge. He then proceeded to deliver a paper on "the American psyche" which I found to be a most revealing and obvious future in academic politics, then slumped back into his chair to glower morosely at me for the rest of the conference.

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Peanut filler

by Judith Judd

A year or so later came Washington. This was the grand slam which brought people from the five regional conferences which had been held on different continents. It was well organized, the participants were distinguished, the enter-

Ethel's blessing

by Judith Judd

Washington is a strange city; a neo-classical jungle. You have never seen such a superstructure. But they are working at the other end too. They are building a subway system, like a culture trying to create history out of its own debris. And simply to move around this city is an education. If the Smithsonian buildings in which the conference took place constitutes the ego, then the marble palaces, the fountains, the historic bars which we had to pass in order to reach those intellectual fastnesses, constitute the id.

And what other cities in the world regard a cemetery as one of their chief attractions? Buses, taxis, and a car which drove through the streets, which threw their way along another gaggle of the American psyche, Disney World, set off every few minutes for a tour of the nation's corpses.

I remember, on a visit to an expensive Washington restaurant—so expensive that we could barely scrape together a \$7 tip which was received with the ill grace which it doubtless deserved. More I leave to the necessary ritual in Washington a restaurant is not primarily a place to eat; it is a place to be conspicuous.

As I ate my sweetbreads in white wine and calculated the cost of each mouthful, as Ethel Kennedy progressed gracefully from table to table bestowing social blessings as she went. Her meal was left to cool on the table. Presumably one has a good meal before venturing forth on such missions. Meanwhile Ralph Nader, who had just delivered a lecture on the environmental movement, nibbled pensively on pieces of bread roll as though they were the soft white fingers of some predatory executive who had dedicated his life to polluting the environment with inherently dangerous machines.

Now the year of the conference is over; 1977 is the bicentennial of the War of Independence, but as a nation we have a greater sense of nostalgia for defeats than for victories. Now there are no countries left with softer currencies than our own. Inevitably, but not necessarily, long since been pulled back into the general fund. I am back to chips and beans and beginning to turn my mind to the vexed question of how to eat in a genteel manner. Other day I even saw a student. But that way lies madness.

Chris Bigsby

by Judith Judd

The author is senior lecturer in the School of English and American Studies, University of East Anglia.

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Two science sisters take very different paths

The first two or three years of the present decade saw a notable burst of activity aimed at broadening the science and engineering curriculum in universities and polytechnics. The Nuffield Foundation in particular started several projects to make these students more aware of the social context of their work.

Two of the most ambitious schemes hatched under Nuffield's financial wing were General Education in Engineering (GEE) and Science in a Social Context (SISCON). Both have thrived, and the latter recently flew from the Nuffield nest to find sponsorship from the Leverhulme Trust.

They had the same original objective—to produce teaching materials to broaden the curriculum—but this common aim has taken the two sisters down very different paths.

SISCON is providing teaching/learning material in self-contained units, which are distributed in book form. About half are written by individual authors and half by pairs or groups.

The programme will take a major step forward next month when Butterworths begin publishing and marketing their units. They will be released twice a year in batches of six. (The first range from *Technology and Survival* by Ernest Braun and David Collingridge of Aston University, to *Darwin to Double Helix: The Biological Theme in Science Fiction* by Leonard Isaacs of Michigan State University.)

The main thrust of GEE, on the other hand, is directed towards encouraging and supporting engineering undergraduates' "socio-technical" projects. This is felt to be a more productive approach than injecting into engineering studies parallel courses of compensatory social education, which suffer from two serious weaknesses. First, it is difficult to get good people to teach them because of their low prestige; and secondly, the hostility of pure engineers and scientists, the basic bewilderment of physical systems and issues, social policy are frequently not made clear to students—bits and pieces of half digested subject matter litter their minds.

Many academic engineers will agree that the most important thing they teach is problem solving. Provided that socio-technical projects are formulated as problems and not easily identified as belonging exclusively to another profession or discipline, lecturers may accept their validity and the challenge of supervising them.

The choice of project is left to the individual supervisor and his students, but GEE provides a good range of supporting services. A projects register and library of final reports is maintained at Imperial College, London. Workshops for project supervisors are held twice a year (the next one will be at Corpus Christi College, Oxford, from March 29 to April 1). A supervisor's manual, outline of possible projects and packets of related resource materials are available. There is a standard grant of £20 to cover the cost of the project report, and outstanding work can win prizes up to £250.

GEE projects normally work on the "micro-level", says the programme coordinator, Dr Frank Svenson, of Stirling University, whereas SISCON operates on the level of public attitudes and policy. The history and structure of GEE are further explained in the early days of an enclosed wider range of activities, and some SISCON-style teaching materials were produced, including an interesting study of the problems of an entrepreneur who wishes to start an engineering firm. But today GEE's energies are concentrated on the projects programme, whose title was recently changed from Urban Crisis 2000 to Socio-Technical Engineering Projects Programme (STEP).

The extension of the programme beyond urban problems coincided with the end of the three-year secondment from Aston University of GEE's coordinator Dr David Brancher. The active coordinating role has passed to Dr Swenson, though Dr Brancher remains closely involved.

In theory the GEE approach should fit in well with the structure of BSc engineering courses in British universities, in which one third of the final year is usually devoted to student projects. This is the only liberal element within an engineer's education, says Dr Brancher, "but it is surprisingly free in some departments".

The majority of the 98 GEE projects registered so far have been slotted into the final year in this way. However, Mr John Muldox, director of the Nuffield Foundation, points out that some engineering departments insist that third-year projects must be 100 per cent technical, and in these cases GEE projects have had to be squeezed into the second year.

None of the half dozen Nuffield-inspired programmes to reform areas of higher education caught on with anything like the enthusiasm generated by Nuffield Science in schools. As Mr Faddox says, academics are much too individualistic to accept broad changes in the curriculum in the same way as schoolteachers.

GEE faced a particularly hard struggle because "engineering departments are the most conservative of all", he says.

SISCON started out with a wider market and this has grown beyond science departments to reach sociologists, political scientists and economists. To some extent, therefore, the reverse role of bringing the issues of natural science and technology to social scientists has been added to SISCON's original aim of widening the scientific curriculum.

On the other hand this greater awareness has not brought much in the way of unity to the SISCON organization. There is still as wide

The written units, which are designed to occupy a third of a student's time for three weeks, constitute SISCON's material output. But the project also operates on a larger scale, encouraging the design of new science degree courses with a social emphasis.

The dozen universities and polytechnics that make up the SISCON consortium all offer such courses. Examples include liberal studies in science at Manchester University, integrated science at Stirling University, and science and society at North East London Polytechnic.

Unity has not been one of SISCON's strengths, some members felt that a few of the early units were too poor in quality to be published, and there have been arguments about the direction in which the project should be moving.

Professor Michael Gibbons of Manchester University put it this way when he took over from Dr Bill Williams of Leeds University as SISCON coordinator last year: "Not surprisingly, because they represent the first tentative efforts to a wider public of our individual teaching, the units are uneven—both in terms of intellectual rigour and style. None the less we have now a much better grasp than formerly of the range of materials being taught within the SISCON net."

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a range as ever of viewpoints concerning the role of SISCON-type courses in higher education. This is no hard thing, provided the diversity does not lead to factionism, which I fear have occurred in some cases. It appears that there is a sharp difference in the perception of the role of SISCON between the universities and the polytechnics and other institutions of further and higher education.

"In addition the claim is made that the former dominate the SISCON council, thereby imposing their will. Be that as it may, steps are now being taken to broaden the base of the council to include a wider range of representatives. I hope that this will help to break down some of the misunderstanding that has developed."

SISCON has spent about £60,000 so far, and at least £400,000 more will be available over the next three years. There are currently two full-time SISCON research fellows, Dr Glyn Ford at Manchester and Dr Russell Moseley at Sussex, and the project has enough money to finance a further four research fellows, but the council decided recently to support only two more fellows and to spend the extra funds persuading as many higher education institutions as possible to join the project.

For GEE the short-term priority is to make sure every engineering department in the country knows that the programme is still going. As Dr Swenson put it, some P.A.s thought it finished when its initial

three years' Nuffield grant ran out last November. They left them know that they were going to be renewed by the Government for another two years.

Some of the 98 advice projects involving 291 engineering students from 22 universities and polytechnics would have been carried out had GEE existed, but the units have ended up isolated in the various supervising departments. Through GEE, good projects made available as a basis for work.

"I think GEE met a real need, a focus for discussion and for Dr Swenson. A lot of us were doing related things anyway."

Projects do not need a high content to qualify. Some are essentially orthodox technical subjects with perhaps a 10 per cent social element, says Dr Swenson. Others have been 75 per cent technical. Topics have ranged from a study of the engineering environmental implications, modernizing the lower sea of the Grand Union Canal, to the performance of the environment since its reorganisation in 1974.

SISCON and GEE keep in with one another's activities, but the ruling bodies have come apart, such as Dr Brancher's enthusiasm attend both GEE and SISCON meetings. But GEE's are likely to continue to be on separate paths.



David Walker asks whether the regional conferences can really produce any results

Too many hushed voices as the speeches begin?

The "great debate" going to be just another long-winded affair of educational voices reading set speeches from entrenched positions listened to by a Government which has already decided on what it plans to do in the schools?

This is one cynical and widely-held view of the series of regional conferences that begins with a day-long meeting in Newcastle today and continues through seven other regional centres till the end of March. There is some justification for it, too.

Genuinely regional elements could well be sparse, as key speakers—such as Dr Bill Taylor of the London University Institute of Education and Mr Ray Jackson of the TUC in Newcastle—have been drafted in from the national pool. The teachers' trade unions will have their people—mainly of executive committee level—speaking to regional briefings, interrupted from the unorganized, such as parents, who have been invited to attend will need to be well stage managed if the bulky agenda is to be got through.

Yet public relations exercise is not the great debate is a stridently department from Department of Education traditions. The form it is taking bears a family resemblance to the recommendations of the Joint Schools' House of Commons Committee for a national forum for discussing educational policy. In principle, the series of meetings could be what the Prime Minister envisaged in his speech at Ruskin College last October.

It was in that speech that a number of educational discontents of recent years crystallized. There was the growing critique of child-centred methods, the growing younger schoolchildren mixed with general, and formally unsubstantiated, concern about "basic standards of numeracy and literacy". The latter married with the relaxation by the business and industrial world of their discontents with both the supply and quality of school leavers and graduates seeking jobs.

During 1976 hints had been dropped about the need for government to enter once again the "secret garden" of the curriculum which it was said was being monopolized by the teachers. Criticisms of professional power were stimulated by the long drawn out story of William Tyndale School in London and a widespread but generally unapproved but again unapproved expansion of teaching in the 1960s had sucked in a number of people unqualified both in their formal skills and in their moral and administrative concerns. Too, Miss Foots's committee urged a more active role on the DIS and on the Inspectorate.

The recommendations of the Schools Council, and by implication its composition, were sniped at from many sides over the issue of a "summit" examination to replace GCE O level and the Certificate of Secondary Education.

But the Prime Minister spoke moderately. His points were about the curriculum and standards in the schools and a wider sense of unease about the educational system—not excluding the universities and polytechnics—served the needs of the country was the Government's *sine qua non*.

Mrs Shirley Williams, the Secretary of State, then engaged Brian Hill, vice-secretary of the educational interests to work out an agenda for the debate. It turned out to be a debate about the schools, not education in the wider sense, for there is no provision for a discussion of the provision for adults, higher education as such, and further education only peripherally.

The agenda, as conceived by the DES, was issued last week in the shape of a lengthy paper, *Educating Our Children*, to be discussed at a background document not representing Government thinking, but it would take a particularly strong-willed pundit not to find in it a number of hints about present DES policy. It starts with obedience to the achievements since the 1944 Education Act, more children taking and passing public examinations at 16 and 18.

It is then divided—like the day-long meeting in Newcastle today and continues through seven other regional centres till the end of March. There is some justification for it, too.

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Recruitment is growing at what the colleges see as the universities' unfair escape from teacher education cuts. Judith Judd reports

Why must colleges carry the can?

The mounting of college education against the university department of education have been in an angry rumble since the latest round of college closures.

By 1980 the numbers in colleges will have dropped from 114,000 eight years ago to 45,000, including 10,000 in-service places. In the universities the figure will remain steady at around 5,000 and there is every indication that the Government must intend things to stay that way. In 1981 the number of post-graduate certificate of education students in universities should be the same as in colleges.

The National Association of Teachers in Further and Higher Education has been quick to point out how drastically this alters the proportions in teacher training. In particular they are concerned about the balance between university and college students and PGCE students.

In a statement last month the union's national executive committee said there would be an annual output after 1980 of 9,000 BEd and 10,000 PGCE students. "The association believes that one year of professional training is not enough for the majority of teachers and the balance should be redressed so that a clear majority of new entrants to the profession come from courses with a longer period of professional training."

After initial hesitation, all the main teacher unions have come round to active participation in the great debate, not least because it offers a chance to talk. But the largest organization of primary and secondary teachers, the National Union of Teachers, has not been entirely won over.

The NUT point to Mrs Williams's decision to stop the examination changes agreed by the Schools Council and evidence that great debate or not, policy-making by the DES has continued apace. Mr Fred Jarvis, NUT general secretary, said last week that he wondered about the debate's purpose.

Originally the Government will publish a consultative document in the summer containing proposals for further action. Mrs Williams adds her hope that the regional conferences will act as a lever on local authorities to get them to spend more on in-service training or, alternatively, strengthen her hand in arguing for direct central government grants for such purposes.

The National Association of Teachers in Further and Higher Education, which like the other organizations provided a list of names for the DES to invite to the conferences, has made no such heard its long-established policy on day release. In-service training for teachers—and the jobs involved for college lecturers—is also high on NATFHE's private agenda for the meetings.

By courtesy of the television authorities the great debate has been given a run-in during recent weeks with a series of studio discussions. Will the regional conferences offer more than these? Mrs Williams's personal style will no doubt stamp itself on the Midlands and Birmingham conferences as well as the studio discussions. Some previous unheard voices may be raised.



The two sides—London University's Institute of Education, top, and St Luke's College, Exeter.

Recruitment is growing at what the colleges see as the universities' unfair escape from teacher education cuts. Judith Judd reports

colleges have. But he is not, of course, trying to do himself out of a job. The way forward lies in reform.

He says that the departments which once supplied the grammar and public schools with teachers must find a new rationale to match the massive changes in the secondary school system which have taken place in the last few years. The Oxford department has found its rationale in forging new links with both Oxfordshire schools and the university as a whole. The task which university departments have traditionally performed can now be done just as well by the colleges, he says. The smaller departments should close.

Dr Taylor, however, takes issue with this. He says that the universities have resources in terms of libraries and computer facilities which colleges cannot muster. Research work is vital and very little of it is to be found outside universities. For this, the PGCE is an important base, since valid research cannot be carried on in a vacuum.

On the smaller departments he admits there are problems. What happens if the one lecturer in a subject is sick? But he is firm that the solution does not lie in closure. Each region should have access to the facilities which a department can provide. The answer for small departments is to specialise.

Dr Judd remains sceptical. Getting the smaller departments to specialise is all very well but who is going to make them do it? He says there is no body under the present system which would be prepared to carry out a rational distribution of places.

The most complicated issue in the whole debate is that of concurrent versus consecutive training. Both sides agree that there is not enough evidence available of their relative merits. Mr Cammaerts feels that a single year of practical training is not enough to equip student teachers for the problems they will find in urban primary schools and the mixed ability classes of the comprehensive. Hence NATFHE's concern that nearly half the teachers being produced in the 1980s will have received only one year of training.

This proportion may change when the effect and extent of the Dillett as a route into teaching is clearer but, as Mr Cammaerts says, not all Dillets are relevant to teaching.

The one-year courses would worry him less if there were a good programme of in-service training. Despite Government declarations of intent on in-service training, Dr Taylor, top, is cautious about training methods. It is an issue which still has to be thrashed out, he says. He agrees that for some types of teaching it may prove better for the student to have contact with children for a longer period and from an earlier stage. At the moment there is no evidence to show that concurrent training produces better teachers.

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NATFHE's worries are about to be reflected in Government action. Despite rumours of cuts in university places the University Grants Committee expects there to be only a slight reduction in numbers in education departments this year.

Dr Judd's view of education departments is different from most of his fellow professors. He believes that if they did not already exist nobody would invent them. He also thinks it is a pity that they have not been under pressure to justify themselves in the way the

New Australian universities 3—Murdoch



Many stars born in these trunk courses?

In the third and last of this series Peter Wilby looks at Western Australia's newest institution

The growth prospects for Murdoch, the new university in Western Australia, are marginally brighter than its sister, Griffith University in Queensland. By 1978, it is expected to have 2,200 equivalent full-time students (instead of the 2,800 originally planned) while Griffith will have only 1,300 in 1979.

This is partly because, unlike Griffith, it has a scheme for external correspondence studies. But, in the long-term, the outlook for Murdoch is perhaps less bright, because the projections for increases in higher education enrolments are lower in Western Australia than in Queensland.

The choice is between perception, symbol and myth (which ranges from biology to philosophy), world in transition (including insights from literature, social science and physical science), and energy and life systems.

The description of perception, symbol and myth echoes the thinking behind Sussex University's language and culture studies programme. At the end of this course, students are expected to be able to view the acquisition of knowledge in terms of the inter-relationship between perception, codification, communication, myths and theories; to have extended and examined their own values systems, acquired knowledge as well as intellectual inquiry, increased their ability to express themselves lucidly; to adopt a synoptic, not necessarily agree; to have established for themselves a sound basis for future studies.

For the remaining three-quarters of the first year students have a choice of courses that will meet the prerequisites for part two programmes. The idea is that they should leave themselves some room for manoeuvre. Some of the part two programmes are interdisciplinary, frequently transcending the schools: Chinese studies, communication studies, environmental sciences, and human development sciences, are human development sciences, combining aspects of biology, psychology and sociology) and peace terminology (after Irene, the Greek goddess of Peace) and combines the insights of law, psychol-

ogy, anthropology, sociology, economics and history.

Most intriguing of all, Murdoch's programme in general studies which will provide students with a general education, an emphasis on breadth as well as depth, obtaining at least an introductory knowledge of both scientific and non-scientific skills and on the development of skills.

There are also a number of specialist programmes—chemistry, economics, history and physics, for example. The Department is conscious of the need to prevent encroachment on part one. The Department is a university responsibility, the Secretary of State, then engaged Brian Hill, vice-secretary of the educational interests to work out an agenda for the debate. It turned out to be a debate about the schools, not education in the wider sense, for there is no provision for a discussion of the provision for adults, higher education as such, and further education only peripherally.

Handwritten text in a box: "The Great Debate"



The Times Higher Education Supplement (London) National Press Building Washington DC Tel.: (202) 638 8765

Genetic researchers win important victory

The Cambridge City Council has formally lifted its ban on genetic research at Harvard and the Massachusetts Institute of Technology, but has imposed safety regulations that are far more stringent than those proposed by the government last summer.

The guidelines from the government's National Institutes of Health grade DNA research laboratories from +P-1+, similar to an ordinary school laboratory, to +P-4+, enclosed by air and shower chambers. All potentially dangerous and unpredictable experiments, including all those using DNA from mammals, have to be conducted in at least P-3 laboratories. MIT has one, and Harvard is now constructing one.

The guidelines also insist that the host organisms in some of the dangerous experiments be specially mutated so that they have only a minute chance—only in 100 million—of surviving outside the laboratory environment.

New York fights to retain two graduate programmes

The vast State University of New York system is locked in a quarrel with the state Education Department over a proposal to close two graduate courses offered on SUNY campuses.

The Education Department last year refused to "register" two graduate programmes in English and history at the Albany campus, because it said they were not academically good enough.

No education course can be offered in New York unless it is registered. The State University disputed the right of the Commissioner to close graduate courses, went to court, and lost. It now plans to appeal to the State Supreme Court Appellate.

The appeals do not look good for SUNY, however. The Education Department has regularly inspected graduate programmes since 1977.

There is a panel of distinguished teachers from other states, who report to the state Commissioner. All other universities, both public and private, have accepted the panel's verdicts and have usually terminated condemned programmes voluntarily.

SUNY maintains that a 1961 law giving the trustees authority to administer the internal affairs of the university "indicates that the State University was to become self-governing and not subject to the same requirements imposed by the Regents and the Commissioner on private institutions of higher education in this state."

The judge flatly rejected the claim. Moreover, his rejection had the eager support of other universities in New York, which did not want to see SUNY being treated as a special case.

The Commissioner's office says the decision not to register the two Albany programmes was taken purely on academic grounds. It was not based on the need to cut costs or the fact that too many graduates are now being offered. These other questions, which are also very real issues, are tackled separately.

SUNY also argued that, as the criteria for closing a programme were not known, the action was taken in violation of the contract. But the court agreed with the Commissioner that any university offering doctoral programmes ought to be aware of widely accepted minimum standards for such a course within the academic community.

\$208,000 for career education project

La Guardia Community College of the City University of New York has been given \$208,000 by the US Office of Career Education to develop a model of career education that could be adopted by the two-year community colleges throughout the country.

In the second of three articles on tenure, our correspondent looks at the arguments in favour of

Freedom of word (and deed)

Almost everyone agrees that academic freedom is a prerequisite of a healthy university system in the United States. And most agree that the best guarantee of this is the system of tenure. The important data for the present pattern was 1940, when the American Association of University Professors last revised its declaration of principles. These principles are still the basis of most tenure arrangements.

The 1940 statement has four main provisions: Permanent tenure can be acquired automatically, without any particular act by the institution, simply by length of service of the teachers.

Permanent tenure is not confined to holders of any particular academic title, nor is it confined to those who have served for a stated period in any particular rank. An instructor, assistant professor, lecturer, and so on, holding a full-time appointment gets permanent tenure after the same probationary period as an associate professor or professor.

The probationary period is generally not exceed seven years, beginning with the first appointment to the rank of full-time instructor, including within this period full-time service in all institutions of higher education.

So a teacher who has held full-time positions in other institutions should get permanent tenure in a new academic position at once if he has served elsewhere seven years.

The probationary period of seven years can be extended only if a teacher after probationary service of more than three years in one or more places agrees in writing that his new appointment is for a new probationary period of not more than four years.

Since a full year's notice is required, the teacher in effect is assured of permanent tenure in his new position if he receives no notice of non-renewal of his appointment before the end of his third year of service.

These rules are the strict interpretation. Many colleges have adopted variations. For example, they often only give tenure after promotion to the rank of professor. The AAUP agrees to this if the promotion to tenure positions is within

the maximum probationary period. Universities often have an "up or out" practice, which says that after a specified number of years a teacher must either be promoted or sacked.

The probationary period is the essence of most tenure agreements. The AAUP thinks seven years is about the right length of time: but some institutions—Princeton and the University of California, for example—insist on eight or nine. Generally it is in the humanities and social sciences that more time is needed before judging whether a teacher develops original and important research. In science a prediction of quality can be made more quickly.

Arguments over tenure often centre on the length of the probationary period: in poor market conditions (such as today) there are pressures to shorten it. There were various suggestions from the more union-minded American Federation of Teachers, that tenure should be automatic and instantaneous on appointment.

The probationary period is generally recognized as essential, however, and universities must make a serious judgment at the end of it. Tenure is generally considered a guarantee of appointment until retirement age. It is not an absolute protection against dismissal.

Financial exigency, some time ago, was the usual excuse for the act of moral turpitude or persistent neglect of all university responsibilities—have occasionally resulted in "negotiated" termination settlements, but on the whole universities are extremely reluctant to sack a tenured teacher. The attempt can lead to an expensive lawsuit.

The defence of tenure usually falls into two categories: the need for job security in order to draw good people into academic life that is undisturbed by conflict or industry; and the need to allow teachers to say and write what they think without fear of reprisal or dismissal.

This second argument is especially telling in America where the invidiousness of the academic world, is still a nightmare to some.

Kingman Brewster, President of Yale, argued a few years ago that while tenure did to some extent protect a university from threats of politicians, taxpayers and even occasional alumni, there was a more subtle threat to academic freedom which tenure successfully resisted. This was the feeling of being beholden to senior professors and deans for favour or even survival.

Next week: Alternatives to tenure

Women intake rises sharply

The number of women entering graduate and professional schools has gone up so fast in recent years that they now make up about half all first-year graduate students, according to statistics just published by the United States Census Bureau.

Between 1970 and 1975, when the last survey was taken, the enrolment of women rose about 75 per cent, while for men the increase was only 23 per cent.

In undergraduate education women also made gains in the same period their enrolment went up 40 per cent, compared to a 21 per cent increase by men. In both cases, however, women were as likely to complete their courses.

In graduate schools their numbers declined after the first year. Women accounted for only about a third of the second, third and fourth year students.

The number of women gaining PhDs rose 59 per cent between 1970 and 1975—from 4,600 to 7,300. In the same period, the Census Bureau said, the number of doctorates awarded to men actually fell 2.6 per cent, from 27,500 to 26,800.

There was also a huge increase of 184 per cent in the number of first professional degrees awarded to women in a total of 7,000.

In the same period the number of men receiving such degrees went from 35,800 to 49,200, an increase of 37.4 per cent.

'Little link between field of study and choice of job'

Fewer than half of graduates make frequent use in their jobs of the main subject they studied at college, according to a recent survey. They tend to use their non-major courses even less. They also find their education of little help in directing them towards the choice of life goals.

The study, commissioned by the College Placement Council and the National Institute of Education, the government's education research body, examined over 4,000 graduates, all of whom began college in 1961. To the question whether their education had given them the skills needed for their current jobs, only 38 per cent replied that it had been "very useful", with 50 per cent reporting "somewhat useful" and 12 per cent answering "not at all".

However, nearly all graduates found they used at least some of what they had learned at college in their jobs. They praised understanding with general knowledge and qualifications which increased their chances of finding a good job. They were less enthusiastic about their usefulness in developing leadership qualities and the ability to think clearly.

Graduates were also asked what courses they would recommend for job preparation, regardless of the major specialism. The leading areas of study recommended were business administration, English, psychology, economics and accounting.

The investigation was the largest one that graduates felt they had neglected general job-oriented skills such as communication, the handling of figures and general business practices.

Biggest protests since 1968 hit Rome

Thousands of students last week occupied university buildings, paralysed traffic with rallies and demonstrations, staged strikes, held endless protest meetings and banged slogans on walls as the Italian universities seethed with revolt.

The spark which set it going was an incursion into Rome University campus by a group of fascist youths who opened fire on a crowd of left-wing students. One was shot in the head and is likely to remain permanently disabled.

The incursion was followed by another shooting incident the next day involving an extreme left-wing group.

But already tension had been running high in the universities since Franco Maria Malfatti, Education Minister, of the few improvements introduced after 1968—the students' right to plan, with their professors' approval, their own degree courses.

Final degrees are awarded after a given number of examinations, have been passed in the various subjects included in the degree course. These examinations can be taken at various points during the course. With the encouragement of their professors, many students had studied for, and sat, examinations in the same subject for several years running, not in order to cheat, but because each year the subject was studied from a different aspect and they wanted to gain deeper knowledge of the field.

Signor Malfatti's instructions, apparently based on the suspicion that some students were in fact repeating the same examinations over and over, were to stop this. The order was later countermanded by the Parliamentary Education Committee, but by then the protest movement had gathered impetus and was not to be stopped.

The discontent quickly developed into a general protest against the Government's plans for university reform. These have not been officially published yet but the general outline is known and regarded by many students as reactionary and backward.

The atmosphere is similar to 1968: the lines of students with their slogans and red flags, the electric tension which arises at the slightest incident, the police with their grim armoured cars always close by, the meetings, the sleeping bags in the occupied buildings and the partisan camaraderie.

But the currents running under-

neath are vastly different. The 1968 revolt took place against a background of affluence and confidence. Closely linked to workers' demands for a better social deal, it was a spontaneous movement for a new, better university system, more social justice and an end to the archaic power and privileges of the "barons"—the tiny minority of life-tenure professors, who ran the universities—and of the "establishment" in general.

Innovator or 'Marxist' Sunday School?

Divided though they are about its future, both the government and university authorities, on the one hand, and students and teachers on the other, are agreed that Roskilde University Centre is now completely out of step with the rest of Danish higher education.

In many ways it always has been; first, as an experimental model offering radically new courses and teaching methods and after a succession of serious internal disputes, culminating in last year's near-closure by Parliament, as an embarrassing anomaly defying government attempts to bring higher education under tighter central control.

A monument to the affluence of the 1960s, as one of the centre's three external rectors, Professor Erik Stig Jørgensen, calls it, RUC's present setting—a cluster of 27 one and two-storey prefabricated buildings in a field four miles outside Roskilde—illustrates just how much plans have changed since the university was conceived in the late 1960s.

As a new campus university, which was expected to house 8,000 students by the early 1980s, RUC was to grow to meet new urban development in Roskilde, the communities joining in a complex of sport, recreation, shopping and social facilities. The centre was even to have its own railway station for quick communication with Copenhagen 20 miles to the east.

In the event, the town grew in the opposite direction and the centre fell victim to economic cut-backs. Today, it has no social facilities, save a cafeteria and 1,600 students—only 400 more than in its second year four years ago, with the prospect of at most 1,000 more by the mid-1980s. Transport depends on private cars and bicycles and an infrequent bus service.

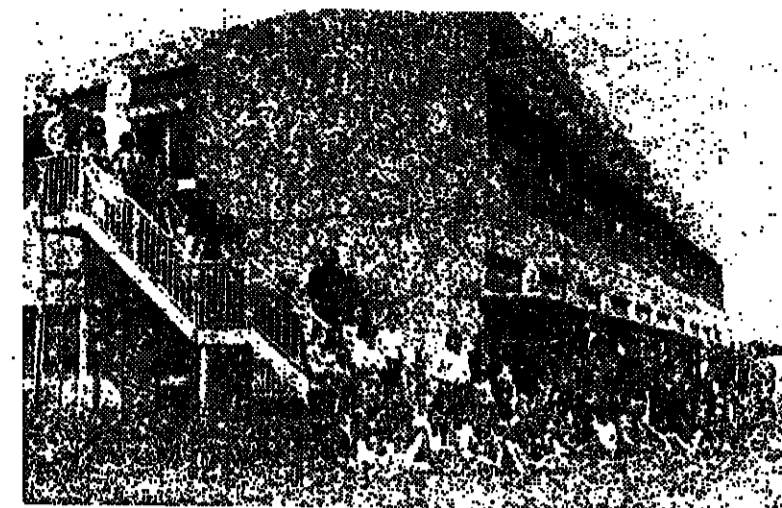
The decision to create Denmark's fourth university was made in June 1970 following pressures on existing institutions created by a massive and virtually unrestricted increase in admissions during the preceding decade.

At the same time it was felt that the centre should be restructured to avoid early specialization by offering broad foundation courses, which it was hoped would reduce drop-out rates estimated as high as 60 per cent at older universities.

Additionally, many hotly-debated innovations such as group work, greater student participation, problem-oriented project work and socially and professionally relevant studies were to be put into practice.

The key aim was flexibility. Different types of study—academic and vocational—were to be broadly based and specialized—were to be integrated, students were to be able to decide how their studies should proceed and barriers between subjects were to be removed.

The centre offers medium-term courses as well as honours degrees and postgraduate courses in the humanities, social sciences and



Staff and students outside one of Roskilde's "houses".

natural sciences. However, all students undergo initial two-year "basic studies" prior to specialization leading to careers in teaching, social work, research, management and planning.

It is these basic studies which have been at the root of most of the controversy. They are based on project work, students choosing a problem to investigate on the basis of their own background and experience. Known then make their fit into the theories of one discipline, theoretical knowledge is drawn upon from any subject as work progresses.

Projects are supplemented by other courses within the three study areas, and, recently, all evaluations was based on internal continuous assessment by teachers and the students themselves.

Students usually work in groups of three to ten. Between six to a dozen students, totalling about 60 students, then form social and study units known as "houses", each of which has its own teachers, a secretary, common room and study facilities.

Conflict began even before the first 650 students started work in September, 1972. The first rector, Professor Erik Olsen, a Social Democrat, wanted centralized decision-making but was successfully opposed by the overwhelmingly young and progressive administrators he had hired. They wanted decisions left to teachers and students.

Professor Olsen, who was subsequently defeated when he stood for re-election as rector, has become RUC's leading critic—calling the centre a "Marxist Sunday school" and criticizing academic standards as being too low.

By 1973 the centre was being affected by the economic recession. Phase four of the building plans—there were supposed to be eight phases—was postponed first for a year and then indefinitely. At the same time it was decided not to establish courses for trainee comprehensive school teachers, though those for upper secondary school teachers were to be kept. Expansion was soon at a standstill.

A year later admissions dropped to only 400, the centre was under attack as a haven for Marxists. Basic courses were criticized for allowing students to spend as much as half their time on planning their projects and for failing to relate to traditional courses elsewhere.

The crisis came to boiling point in 1975 when the newly-elected Social Democrat government insisted on a reorganization with studies being made more formal, featuring fixed courses rather than projects, and exams being assessed externally.

The new education minister, Mrs Ritt Herregard felt that changes

least the more absurd aspects of such investigations should be eliminated in future. This, the Würzburg engine driver, whose case was reported last autumn, might have acquired his permanent civil servant status had he not been threatened with dismissal on the grounds of his membership of the legal German Communist Party (DKP).

Bavaria still adheres to the much more stringent earlier formula, according to which every applicant has to be examined. A report of the Bavarian Ministry of the Interior just published, which reviewed Bavarian practice since 1972, leaves two distinct impressions. Judging by the results the whole clearance procedure is hardly worth

Good results will mean more places for mature students

mature age students on the faculty of an Australian university.

An outspoken advocate for the older students is the dean of the faculty, Dr Ray Seckold, who challenges the traditional view that universities are for teenagers. Some of his students left school 20 or 30 years ago without any qualifications.

The results at Macquarie amply support Dr Seckold. The latest related results there show the mature age students surpassed the general body of undergraduates in almost every department.

For example, the general pass-rate for full-time BA students in 1975 was 65.6 per cent. But the mature age students achieved a pass-rate of 80.8 per cent.

Macquarie claims to have more mature age students on campus this year than any other Australian university—several hundred of them are expected there when the university reopens early next month.

At the University of New South Wales, older students, some with advanced results, are being enrolled for the past three years in a special law degree course.

A tier a year studying together as a special group, the older 15 share classes with the other 15. In 1976, 450 will be mature—40 per cent of the total and almost half the highest proportion of

Extremists' Decree entering sixth year

West Germany's so-called Extremists' Decree, the agreement between the Federal Chancellor and the Prime Ministers of the Länder establishing uniform procedures for investigating the political reliability of applicants for public service posts, is now five years old. Despite the controversy surrounding it, it is still being applied in all Opposition-governed Länder.

The Bonn government and the Länder of the Social Democrats, on the other hand, have generally use slightly less sweeping procedures. These, like the Hamburg regulations introduced last August, distinguish between civil service and other public employees.

Under this revised system at

least the more absurd aspects of such investigations should be eliminated in future. This, the Würzburg engine driver, whose case was reported last autumn, might have acquired his permanent civil servant status had he not been threatened with dismissal on the grounds of his membership of the legal German Communist Party (DKP).

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the trouble the bureaucracy is determined to go to, and the administrative courts, which have become involved in most cases, more often than not found in favour of the initially rejected applicants.

Over the five-year period only 65 applicants have actually been rejected out of the many thousand new appointments. Fifty-one of these fall into the education sector.

Twenty-two of these 65 negative decisions have become effective because the applicants themselves have without question. Another 23 have still been dealt with by the courts. In 11 an administrative court decided in favour of the applicant and ruled either that he had to be appointed or that the dismissal was not justified.

Handwritten note: 1971-1975

The great post-school debate

The Great Debate on schools, which begins in earnest today with the first of the Government's regional conferences, ought not to be left to teachers. Industrialists and professors of education and Whitley candidates have a crucial role, too. For higher education is one of the major consumers of school leavers and, without its cooperation and understanding, many of the reforms that are being considered for the schools could be still-born.

Resources for science

Ever since the Science Research Council took over responsibility for funding scientific research from the Department of Scientific and Industrial Research in 1962, the SRC has faced the problem of reconciling support for research programmes in its own establishments with that for the scientific activities of universities and polytechnics.

LETTERS TO THE EDITOR

Max Beloff and the AUT

Sir,—We of course regret any resignation from the Oxford Association of University Teachers, especially of such a long-standing and distinguished member as Professor Beloff. On his reasons (THES, February 11), I would like to make it clear that the Oxford AUT condemned the agreement with the National Union of Students to which he refers on the grounds he gives; we submitted a motion of repudiation for the December council; and the agreement is not recognized by us.

Senate laymen

Sir,—The letter from I. S. Cook on the role of Senate (University of London) in the particular case of the scheme he supports (THES, February 11). He mentions that the council of Brunel University has a list of 37 teacher nominees for the Senate of the University of London. He correctly points out that the Senate is the supreme academic body. Why then are there people on it? The place of the Senate in the present 10 out of 11 plan remaining being the whole of the country is a matter of some importance.

First destinations

Sir,—In Sue Reid's front-page report (THES, February 4) the statement is made that "70 per cent of Council for National Academic Awards graduates from sandwich courses and 43 per cent of those on full-time courses move directly into employment on leaving polytechnics compared with 40 per cent of university degree graduates".

History teaching

Sir,—Dr Moore's depressing picture of history teaching (THES, January 28) seems biased by his concentration on the general pattern of his failure to stress the exceptions to it. Certain history departments, including the one created but not mentioned by him, and at least those of York, Birmingham and Sussex, are surely worthy of his appreciation. The fact that such departments are in a minority is no good reason for dismissing them. And why should history teaching be judged simply by what the majority of departments do?

Ed tech funding

Sir,—Derrick Unwin's comments regarding the lack of Government funding for educational technology reported in your columns (THES, February 11) reflects a view that I find that part of the argument fails to grasp the essential truth. We do not want, nor do we need, "educational equipment... leading developments".

Future of physics

Sir,—I was, naturally, excited to read your report (THES, February 4) of the meeting of the Institute of Physics and Council of the Institute of Physics. The meeting was well attended and the discussions were very lively. We have, for example, produced a leaflet for use in schools which has been received and over 200 copies have so far been distributed. Illustrating the diversity of opinion on physics teaching preparation.

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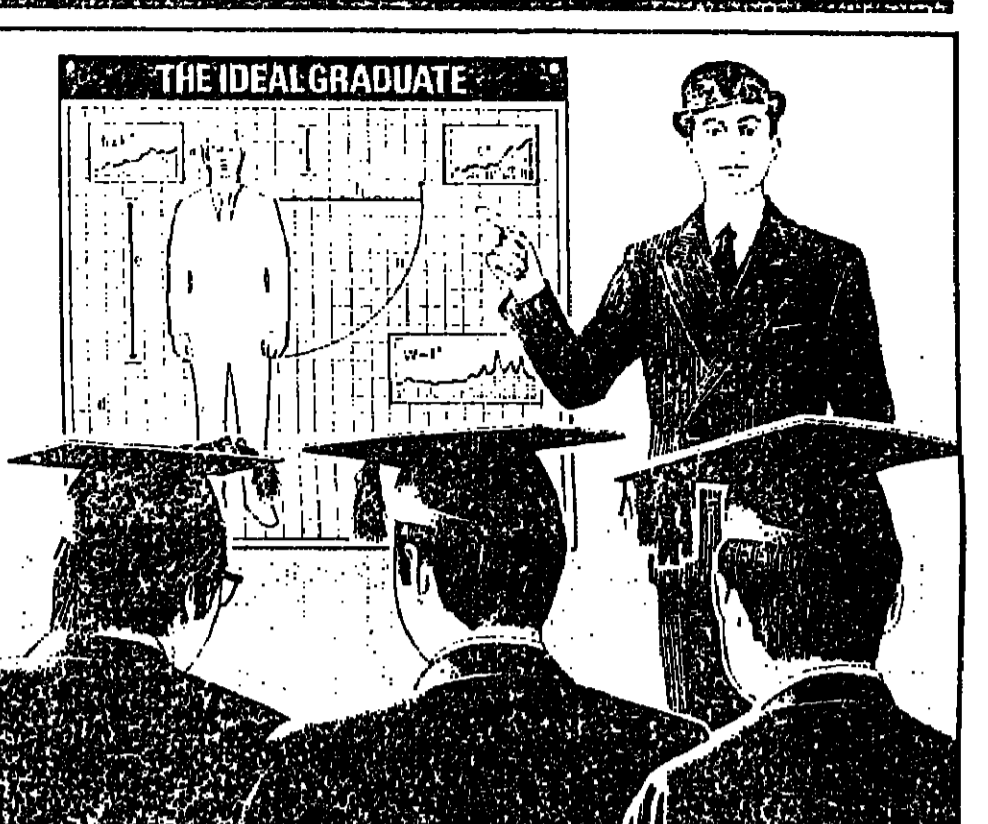


Dr Henry Chilver

Henry Chilver, vice-chancellor of Cranfield Institute of Technology, contributes the first of a series of articles on higher education and the needs of industrial society

'Relevance' must be seen in a long-term perspective

In the continuing debate of the nation's economic problems, education—often but not always in the arena of discussion. In recent pronouncements the Prime Minister has made reference not only to balance-of-payments and industrial relations problems, but also to the wider question of how our education system should help productive industry and the generation of the nation's wealth.



Indeed, such an approach would achieve no success amongst young people, so many of whom are very critical of the consumer society and the profit motive within it. It must be shown that education is not only enriching the lives of people both in Britain and abroad.

Postgraduate education

What are the main points emerging from this discussion? I would summarize them as follows: 1. In the present "crisis" situation, there is a danger of higher education over-reacting to the problems of industry, to a point where short-term needs may dictate long-term policies. In higher education, only limited responses are possible in the short-term, and although these are important and indeed higher education should react quickly, the likely short-term impact of higher education on the industrial scene is limited.

BOOKS

Aboard the culture bandwagon

Approaches to Popular Culture edited by C. W. E. Bigsby

Approaches to Popular Culture follows hard on the heels of an even more heterogeneous collection of articles, also edited by C. W. E. Bigsby...



Culture clash? The Salvation Army plays to people queuing for the Windsor Pop Festival in August 1973.

In one or two articles the vital distinction between "culture" as art and entertainment, and "culture" as the general way of life...

This essay is followed by Raymond Williams, weighty and ponderous, on "Communications as Cultural Science".

and popular culture, where they are only the consumers of a commercial product. To put it another way, Barbu's way...

Peter Burke advances the interesting and not unconvincing thesis that popular art and ballads are better than the usual historical documents for understanding the life of the folk...

some quite extraordinarily illuminating analyses. Let us take but a crucial bit—of the first paragraph of soft porn:

The effect of using intrusions throughout is to encapsulate activities, expressing causality most only through juxtaposition.

True, finely-tuned literary criticism would be unlikely to spot all the... or any of it. Nor would the mass audience who make up the market to which it is sold.

Fundamentals of Organic Reaction Mechanisms by J. Milton Harris and Carl C. Wamser

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Contemporary Political Philosophers

EDITED BY ANTHONY DE CRESPIGNY AND KENNETH MINOGUE
Contemporary Political Philosophers is a survey, by scholars from both sides of the Atlantic, of the main developments of twentieth-century political philosophy. It seeks to fill a long-acknowledged gap and does so with conspicuous success. This book will be welcomed both for providing access to a body of work not easily approached by the unguided explorer, and for offering a critical review of particular interest to those already familiar with the work of these philosophers.
This excellent collection serves the useful and neglected purpose of providing brief, readable introductions to the thought of most of the major figures in recent political philosophy: Herbert Marcuse, P. A. Hayek, Leo Strauss, Eric Voegelin, Michael Oakeshott, Karl Popper, Bertrand de Jouvenel, Raymond Aron, Jean-Paul Sartre, Hannah Arendt, C. B. Macpherson and John Rawls. Many of the contributors are also distinguished political philosophers in their own right. *British Book News*.
University Paperback, £2.75.

BOOKS

Theory and practice

Considerations on Western Marxism by Perry Anderson
New Left Books, £4.00
ISBN 902 308 67 X

This is a very bad book on an important subject. Whereas Mr Anderson's two earlier books, *Passages from Antiquity to Feudalism* and *Lineages of the Absolutist State*, display, for all their Marxist orthodoxy, a superb mastery of massive material, brilliant powers of composition, and a lucid style, this one just displays arrogance. It is dogmatic, shallow, self-confirming, pompous, and enormously condescending—both towards the reader, who is told only in an afterword that the author himself regards his whole text as basically flawed, and towards the ostensible object of Mr Anderson's concern, the "international working class".

Anderson takes it for granted that, at some unspecified level, the Marxist slogan of "the unity of theory and practice" expresses a self-evident truth, and proceeds to present the following picture. The "classical tradition" of Marxism extends, in two phases—a Western and an Eastern—from Marx and Engels to Lenin and Trotsky. The founders of Marxism, who constitute the (first) Western phase, had remarkably little contact with working-class movements and organisations in either the England in which they lived or the Germany in which they were most especially interested, and largely confined themselves to corresponding with fellow-bourgeois militants.

The reason Anderson gives for the remoteness of original Marxist theory from proletarian practice is that the revolutionary upheavals of the time were largely artisan and peasant, rather than proletarian in character, while "the real emergence of industrial working-class parties occurred after Marx's death". Two questions immediately present themselves: how was Marx able to sketch a theory of proletarian revolution in the absence of a revolutionary proletariat? And what are we to make of the fact that, when they did arise (which in any case they did well before Marx's death), the industrial working-class parties were not conspicuously Marxist let alone revolutionary? These questions, which seem central to any serious treatment of the relationship between Marxist theory and proletarian practice, are never even raised. Instead, we are told that the evident gap between theory and practice



Engels (left) and Trotsky: Western and Eastern Marxism



was really their *unip*, though this unity was "uneven and mediate".

To return to Mr Anderson's narrative, he writes that "the rapid growth of working-class parties in Central and Eastern Europe and the stormy rise of popular rebellions against the ancien régime of Eastern Europe now created the conditions for a new type of theory, based directly on mass struggles of the proletarian and integrated naturally into party organisations". The phrase "mass struggles of the proletariat" obscures the striking fact that these were largely artisan and peasant movements against proto-industrial regimes, rather than massive proletarian uprisings against industrial capital and bourgeois rule—remarkably similar, indeed, to the upheavals which had occurred in Marx's lifetime. What was new was not so much the practice as the theory: Lenin extended the Marxist theory so as to make it relevant to a predominantly agrarian society. Moreover, Lenin knew how to turn theory into propaganda, which is one important way of linking theory with practice, and does not trouble to analyse the fact that Lenin somehow managed, for a brief moment in 1917, forcibly to link a drastically revised Marxist theory with the actually revolutionary practice of his workers, soldiers, peasants and factory workers.

Mr Anderson sidesteps these issues and moves on, instead, to his main topic, "Western Marxism" in the period since the Bolshevik Revolution and the abortive revolutions which the Russian one had inspired in Central and Eastern Europe. Here he pursues a truly remarkable strategy: he identifies "Western Marxism" in terms of the intellectual careers of a number of academic or semi-academic philosophers—men such as Lukács, Adorno, Marcuse, Sartre and Althusser—and then reveals that

in Western Europe after the World War Marxism became, with the exception of Gramsci and the theorist is cited who is serious, immediate or proletarian involvement with the working class or with revolutionary war. The only interesting only his characterization of Marxism is that Lukács, Sartre and Adorno for years been standard readers of the *New Left*, which Mr Anderson is. One surmises that his discovery that these thinkers are utterly remote from the proletarian revolution of crisis in *NLR* editorial politics can even sympathise with Lenin's wish to set that crisis in the context of a world-historical juncture; but such price sent-private fancy are an excuse for turning an excuse into a publication.

A small clue to the feeling in which Mr Anderson is provided by one of his chief aims. He observes that "all the major theorists of the materialism in date... intellectuals drawn from the working classes... and even a pattern a provisional summary of the international working class, which in a world-historical sense, is the main subject of the book". On the contrary, it is not to see in this pattern a tenacious immaturity on the part of international Marxism, but a simple which sees in the working class a great reserve army of labour without ever bothering to ask what the working class is about.

Political violence in reality

Three Essays on Political Violence by Ted Honderich
Basil Blackwell, £4.50
ISBN 0 631 17040 5

The declared object of these essays is "to inquire with an open mind into the morality of political violence, or really, political violence of the Left". To this end Ted Honderich opens his inquiry by considering the very different attitudes taken by the most middle-class persons towards the facts of political violence and the facts of social inequality which it is the aim of the violent Left to destroy.
Honderich believes, as I do, that much political theorizing sufficed by a fundamental failure to relate itself to the crude, hard facts of the centre of the normally fact-free philosophy stage of the realities of other men's truncated existences. The poor and black in rich societies live shorter lives than the rich and white; with the latter having two full lives for every single life of the poor in the poorest countries. "Time alive", Honderich rightly insists, "is not all that matters, but it matters very much indeed". It matters in terms of the individual human experience of tens

of millions of persons, who can would like to live as long and as well as the readers of the *Times*.

In so far as we are aware of the facts of inequality we accept them. Honderich argues, as a familiar entrenched feature of the existing order within which we live; not as the direct outcome of deliberate action by "agents of inequality". Political violence, on the other hand, is for most of us something quite out of the ordinary run of our experience, perpetrated by identifiable men of violence as a challenge to the existing order. It constitutes a frightening threat to our familiar ways of life, and possibly to our very lives. Such a contrast of response, Honderich claims, is essentially irrational. In judging violence directed at the removal of the victims of inequality as wrong, and with the probability of the violence being successful in realising its aim.

Honderich takes the argument a stage further in his third essay on the democratic violence of persuasion which he distinguishes from the undemocratic violence of coercion. The former, unlike the latter, is directed to the overthrow of the democratic system, but seeks to redress the balance of political forces

on behalf of the many against the few.

A brief review necessarily most of the argument and used by Honderich to support his main thesis, but enough is said to indicate its importance and importance. The book does not go far enough, it has forgone the opportunity to examine the various propositions on political violence put forward by R. P. John (now Rawls) for a comprehensive theory of political violence in social inequality, and from the realization of a violent or power group. The conditions likely to give rise to violence are not examined, but the underprivileged, the political violence in which they are distributed in the reduction of life spans and the quality of life. The development of such questions receive no attention. Ted Honderich's conclusions are unfortunately not used as a basis for practical movement or political reform.

BOOKS

Martial weakness

The Politics of the Italian Army by John Whittam
Croom Helm, £7.50
ISBN 0 208 0197 3

The role of the military in politics has been covered as an aspect of the development of most modern European states, although a major exception to date has been a study on Italy. This may not seem a surprising omission, since the Italian army has no obvious claim to fame even considering its role in the Risorgimento, but as John Whittam shows in his carefully documented study the reasons are more varied and complex than are suggested by clichés about the Italian lack of fighting spirit.

He focuses on Italy's military performance in successive wars during the period from the Risorgimento to the First World War, from its state of organisation following repeated attempts to reform and modernize it and its quality of

leadership to its importance as a factor in Italian foreign and colonial policy. The army's war performance was repeatedly inhibited by organisational deficiencies and the lack of available economic resources to sustain a prolonged military effort, although Italy's military strength was too often wasted for reasons of prestige ventures abroad—with fatal consequences in the Libyan War of 1911-12, after which Italy had little time to re-coup her exhausted forces before the advent of the First World War.

One fundamental reason for Italy's martial weakness emerges from this blow-by-blow account of her military affairs, namely her general absence of military history. It was evident in the indifference of public opinion and of most politicians towards the military establishment, but a curious reflection of it was the regular tendency to national self-chastisement even among army leaders following military setbacks (such as Custoza in 1866, Adua in 1896 and Caporetto in 1917 to mention the obvious examples). It was these defects rather than any real achievements which the army which entered national mythology.

This lack of militarism meant that despite political instability in the generation after unification the military never presented any serious challenge to the governmental

leadership. There were few signs of support for authoritarian solutions, for army leaders maintained a professional distance, although some of them acquired high civilian positions in government. Whittam suggests that they were established as part of the same established elite as the political leaders of the time.

Apart from the discussion of the army's activities in maintaining public order in the disturbed South during the 1860s, the question of its contribution to the political integration of the new Italian state (a topic crucial to the theme of the book) is not really spelled out although touched on occasionally. Indeed, the few references to the difficulties of social cohesion in the army resulting from regional attachments cast a brief light on the nature of the problem.

It is a pity in view of his interesting subject that these general themes are not given more prominence. Whittam provides many insights into Italian affairs of the period but he lacks a clear interpretative framework, and a conclusion in the whole book. Although an excellent piece of thorough research, it will for reasons of specialisation not be read much outside specialist circles.

Geoffrey Pridham

From local to national identity

Nationalist Movements edited by A. D. Smith
Macmillan, £7.95
ISBN 0 333 18185 9

Nationalism: The Nature and Evolution of an Idea edited by Eugene Kamenka
Edward Arnold, £3.95
ISBN 0 7131 5874 3

Inherent in the concept of a nationalist consciousness is the idea that individuals who historically have identified with local sub-cultures come to recognize that they are primarily members of the nation, rather than of their tribal, ethnic, religious, or regional groups. The definition of "national" characteristics, as both Kamenka and Smith emphasize, is initially made by members of socially unrepresentative "elite" groups, often as a result of their perception of the unity and political weakness of one social group in comparison with some already more highly organized entity.

Kamenka insists on the need to grasp the phenomenon of nationalism "in all the complexity of its historical and social development". According to Smith, the main analytical problem is that of "the social penetration of nationalism beyond

the elites". None of the contributors really faces up to the problem involved, most seem to subscribe to a diffusional model of nationalist development. Integrating action in the form of propaganda and organization by elites, and that taken by the bureaucracies of established states, combining with the distribution of a market economy to increase inter-regional contacts and the diffusion of universal values including a national consciousness, within certain geographical limits. However, variations in the characteristics and aims of the local socializing agencies, and the spatially uneven development of modernization suggests considerable variation in the types of conditions which facilitate or obstruct national development.

Unfortunately, the contributors are mainly content to remain at the level of vague generalization and broad sociological categories: both of which lack an adequate basis in empirical research. The repeated reworking of the established categories of analysis does not seem likely to provide enlightenment. Broad social structural categories are inadequate for the analysis of the cultural changes occurring within specific historical periods and localities.

Renée Warburton considers the cases of Switzerland and Canada,

especially the tensions arising in regions with self-conscious minorities aware of geographical inequality in the distribution of wealth. He highlights the problems of the transmission of economic growth from dynamic to stagnant regions and the crucial importance of political autonomy as a means of controlling development.

Even the oldest, established states feelings of inferiority among groups with a surviving ethnic identity might lead to political integration. He is a timely warning that the political core which ignores the specific needs of peripheral groups, particularly where it treats them as culturally inferior, risks an eventual challenge to its supremacy. As the core is likely to sustain a demographic and electoral majority, unless it is prepared to accept voluntarily greater autonomy for peripheral groups, their political agents might well be forced to go beyond normal political means. The long and continuing historical cycle of national integration and the creation of a bureaucratic state is thus likely in some areas to be modified by decentralization and, if this fails, by the cultural changes occurring within outlying areas like Canada and the United Kingdom.

Roger Price

Is it a movement or a party?

Social and Political Movements in Western Europe edited by Martin Kollinsky and William Paterson
Croom Helm, £9.95
ISBN 0 85664 950 8

It is always difficult to get the right balance in multiple-author books, and this one is no exception. Some of the authors make an attempt to study "the relations of movements and political parties, and the interaction of movements and political systems", i.e. to do what we are told by the editors is the main objective and distinctive approach of the book. Kollinsky, Pridham, Hine, Paterson and Smith all make some effort to work within the bounds laid down by the editors, but, as Hine wisely admits in his essay on trade union movements in France and Italy, the distinction between "movements" and "parties" is both politically and socially, is often far from clear. Perhaps it would have been best if all the authors had read the literature on movements and Smith's essay on political and social movements before writing their own

pieces. Alternatively, it might have helped if Smith's conceptual essay had preceded, rather than followed, the various case-studies.

However, my main criticism of the book is that it falls between two stools. Either the introductory sections on the various political and social movements under discussion should have been more comprehensive, or the case-studies should have been. Two examples will suffice: Paterson's essay on the German SPD is interesting and informative, although the attempt to distinguish between the party and movement "dimensions" seems rather contrived in parts. But it is simply not good enough to cover the whole of the rest of European Social Democracy in less than one paragraph. Kollinsky's chapter on the inter-war Fascist and Nazi movements in Italy and Germany is a concise and comprehensive case-study, but why is there nothing about Spanish and Portuguese fascism and nothing about the Italian MSI in a book which purports to be about European political movements? Again, what has happened to other European "movements" such as communism and regionalism? It would perhaps have been better if the con-

tributors had claimed less for the book and focused on fewer subjects more thoroughly. The idea behind the book is interesting, and several of the essays are stimulating, especially the one by Hine and Smith, but overall it seems to me that the editors have done more than they could chew on this occasion.

The editing and proof reading in some essays, notably those by Hine, Smith, Sprinzak and Bell, is poor. They are sloppily constructed and full of the sort of error which should have been eliminated. Surely it is not too much to ask that in an academic book sentences should have verbs, meaningless statements be omitted, and well-known proper nouns such as Mitterrand, Lassalle and Krivina be correctly spelt. Perhaps we have to put up with social academic jargon these days—words and phrases such as "embourgeoisement", "delegitimation", "out-dogmatism", "counter-fragmentary", and "radicalised energy". On the other hand, perhaps we do not: the essays by Hine, Pridham and Smith in particular show that it is possible to put forward interesting and stimulating concepts without recourse to jargon.

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THE UNIVERSITY OF CHICAGO PRESS 126 Buckingham Palace Road, London SW1W 9SD

BOOKS

Why parties exist

Parties and Party Systems: A Framework for Analysis by Giovanni Sartori Cambridge University Press, £15.00 and £4.50 ISBN 0 521 21238 3 and 29106 2

Parties and Party Systems is the first of a two-volume work to which Professor Sartori has devoted most of the last 10 years. It is, indeed, the first major book on political parties for a generation...

devoted to Europe and North America: it is documented by examples from, and concentrates on, problems and developments of these areas. Second, the work has an almost exclusively institutional scope. There is little on the socioeconomic environment in which parties operate...

Yet, despite its wider and updated coverage, the work suffers from three major defects. First like Duverger's book, it concentrates too much on Europe and North America: altogether there are seven pages on Africa in a book of over 320 countries...

The ambiguity of social democracy

A Short History of the Labour Party, 5th edition by Henry Pelling Macmillan, £4.95 and £2.95 ISBN 0 333 19792 5 and 19793 3

British Social Democracy: A Study in Development and Decay by David Howell Croom Helm, £8.95 ISBN 0 85664 124 3

Academic writing on the Labour Party and movement has enjoyed a long and continuing boom. Few aspects of Labour in and out of office lack analysis and it is difficult to think of even relatively minor episodes during the last century to which one or another scholar has not laid claim.

Dr Pelling's Short History, now in its fifth edition, was first published in 1961. It takes the story from the 1880s up to the resignation of Wilson in March 1976 and, given the volume's relative brevity (167 pages), the pace is on occasion rather breathless.

Howell's thesis is not dissimilar although developed at greater

length and with much closer attention to the newly available minutes of various executive committees of the party. Seen from the perspective of the parliamentary leadership the internal problem is that of controlling the associated and numerically dominant trade unions, while the major external difficulty is winning elections when a segment of its 'natural' support betrays nature and votes Conservative.

Howell traces in detail the emergence of a sketchy reform programme and concludes that by 1937 'these measures could be presented plausibly, as first steps in a socialist transformation... yet the total set of proposals could be seen as a blueprint for increasing the efficiency and reducing the ecstasies of the existing society.'

Whatever their ultimate consequences the proposed reforms helped to bind once more the unions to the party after their loyalty had been shaken by the events of 1929-31. Later reforms were carried through by Attlee, Bevin and Morrison. Then the ambiguity of social democracy was revealed as involving a self-defeating amelioration of part of a consistent and coherent strategy of social transformation which indicated the relationship between reform and structural change.

In this predicament the immediate response in the early 1950s was to boast about 1945-51 and as a corollary adopt a 'consolidationist' posture: a bit more of the same. The electoral failure of this tactic led to the revisionist, plus involving acceptance of the mixed economy, a new emphasis on educa-

lead to gross exaggeration, positive party systems do not 'express' while still the truth in the distinction, however simplified and not wholly on work to state that 'progressive communication, enables the citizens to communicate to the state', while 'party-state system communication network' communicating to the state party and among members that a blanket judgment—which affects the subsequent analysis—of overall power of the state.

Thus we are left with an impression of malaise, much in this book which is needed to correct the had not been covered in detail. But the 'concept work' is one-sided in that it is based on ideology, not facts. At times it brings close to sophistry—at least in its argument—this title, presumably their status. Often, liberties are taken with us when the author relates the consequences of the growth of the Italian party and to admit the 'concept work' is one-sided in that it is based on ideology, not facts.

Conservatism by Noel O'Sullivan Dent, £4.50 and £1.75 ISBN 0 460 10631 7 and 11631 2

The Conservative Opportunity edited by Lord Blake and John Patten Macmillan, £7.95 and £3.95 ISBN 0 333 19971 5 and 19972 3

Conservatism, on Mr O'Sullivan's definition, is a reaction to the Utopian claims of the Enlightenment and the French Revolution, and is more or less limited to the NATO area. There are so many conservative forms that it is a mixed bunch ranging from de Maistre to Daniel Bell, and they have an undisciplined habit of slipping away from the commitment to limited constitutional government which O'Sullivan sees as the essence of intelligent conservatism.

It is also true that some of the more effective and prescient critics of radical Utopianism are cited by O'Sullivan, such as Constant and Tocqueville or the social market school, would usually be classed as liberals. For though they share with conservatives a scepticism about the perfection of man, and still more about his capacity for rational improvement through collective action, they do not share the tutelary or paternalist tendencies of most conservative writers.

This problem reveals itself in the three main chapters of the book on French reactionaries, German romanticism and English conservatism. Mr O'Sullivan handles the first two very well in the manner of the history of ideas; that is, by linking a succession of writers together by theme which he does neatly. He is a good expositor and an effective critic.

There is not much mileage in the exposition of Disraeli's half-baked fantasies and to go at the relation between the thought and action of practising politicians requires much more attention to context than O'Sullivan has space for and a better basis than second-hand political history. The result is a catalogue of writers and statements of uneven merit and interest: which does not hold together.

Howell's account of the Party, although it is laudatory, involves a number of difficulties. First, it is by no means clear that the movement he detects at the top of the party much before the end of the 1930s. Second, I do not believe that a timid, parliamentary party emerges after 1931, and it can certainly be said before then, indeed, in some detail the same account of the Party since at least 1931. The same is true of reforming social democracy which would never have emerged if the party had not been a self-defeating amelioration of part of a consistent and coherent strategy of social transformation which indicated the relationship between reform and structural change.

An Irish Political Machine PAUL SACKS A lively account of Irish politics, covering the 'Dongal Mafia' run by Noel Blaney which was once considered the country's foremost political machine. Written by a political scientist who lived in Dongal for 18 months, it shows how a community of traditional rural Irish responded politically to the problem of surviving within a modern state and analyses the role their political organisations played in mediating their relations with the larger society.

Antonio Gramsci and the Revolution That Failed MARTIN CLARK A study of the early political activity of the leading theoretician of Italian Communism, which deals with the crucial formative period in his career—the years after the First World War—when he led the movement to set up Factory Councils throughout the Turin engineering industry. The author gives a detailed account of the origins of the Italian Communist Party and examines the relevance of the revolution that failed to the subsequent rise of Italian fascism as well as considering the nature of the activities of the Italian labour movement in the political crisis of post-war Italy.

BOOKS

Mixed bunch

This is an in-land conclusion, and by concentrating on their commonceptions and their common belief in property as the necessary condition of liberty it overlooks important differences between conservatives and liberals towards the enforcement of morals and related activities of the state. English conservatives are neither consistent libertarians nor consistent sceptics; religion and patriotism pull strongly yet in favour of authority and hierarchy, not the anti-state point on which I disagree with O'Sullivan and he deserves more argument than I have space to give him, and indeed more space than he has been allowed in this book to develop his argument. Not many people of his sharpness and style have addressed themselves to the problems of conservatism and I hope he will pursue them at greater length.

The failure of Mr Heath's Government, two election defeats and the spectacle of the Labour party behaving like the natural party of government have given conservatives good reason and time enough to reflect seriously about policy. Lord Blake introduces The Conservative Opportunity on his party warfare with a sort of state rhetoric which does no service to the essays which follow. These contain their share of tendentious, discontinuous and splenetic remarks especially at the level of crude propaganda. But the best of them are modest, sceptical, critical and contain a deal of hard sense which will be equally unpalatable on the right and on the left of the conventional party divide.

These Oxford Tory dons in fact fit O'Sullivan's prescriptions remarkably well. They are liberal, pragmatic and sceptical. They argue in favour of constitutional limitations on corporate tendencies and in favour of civil liberties, for full employment as a basic priority of government, for a firm concordat between a future Conservative Government and the trades unions, for the maintenance of the present decision making in education, for the United Nations as a major focus of British diplomatic activity.

As Graham Richards observes in a prescient essay on 'Conservatism and Science' there is not much relation between conservatism in the general (and biological) sense and a political conservatism that admires and supports the dynamic business corporation. Most of his fellow contributors see economic growth as a necessary condition of general prosperity and welfare, and for this reason want initiative restored to the private sector. They say little about the need for public control of corporate activities, of the relation between profit and welfare, or of the really fundamental public decisions about energy to which a policy of growth seems to commit us. The effect is more like the ripples of an old debate, than the wave of the future.

James Cornford Keith Middlemas

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Political biography is at once the most attractive and the most tedious area of the historian's work, inviting concentration on major figures, highlighting certain episodes and administrators, at the expense of others, and forcing the disparate mass of men and women serving political movements into a subordinate context, tallied to the cycles of individual lives.

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Andrew Collier

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Jean Blondel, professor of government at the University of Essex, is author of Voters, Parties and Leaders.

Stephen Cotgrove, co-author of Science, Industry and Society, is professor of humanities and social sciences at the University of Bath.

Robert Dowse, reader in politics at the University of Exeter is author of Political Sociology and Left in the Centre.

R. E. M. Irving, lecturer in politics at the University of Edinburgh, is author of Christian Democracy in France.

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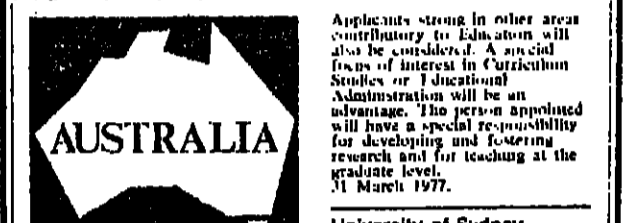
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LECTURESHIP IN QUANTITY SURVEYING

Applications are invited from suitably qualified persons to commence as soon as possible.

THE TIMES Higher Education SUPPLEMENT

Newspaper information and contact details.

City of Birmingham Polytechnic

SCHOOL OF PLANNING AND LANDSCAPE

Applications are invited for the post of HEAD OF DEPARTMENT (Grade VI)

Salary Scale: £8,037-£8,913 + £312

Further details and application forms to be returned by the 4th March, 1977, from: The Personnel Officer, City of Birmingham Polytechnic (THES), Room B.310, Perry Barr, Birmingham B42 2SU.

BRISTOL THE UNIVERSITY

Applications are invited from persons who hold, or are to hold, a bachelor degree with a least upper second-class honours or equivalent.

Further particulars may be obtained from the Registrar, University of Bristol, Bristol, Avon, BS8 1TL.

THAMES POLYTECHNIC FACULTY SECRETARY

Applications are invited for the post of Faculty Secretary.

LEICESTER THE POLYTECHNIC

Applications are invited from persons who hold, or are to hold, a bachelor degree with a least upper second-class honours or equivalent.

DORSET INSTITUTE OF HIGHER EDUCATION

Head of Department of Business and Professional Studies

Applications are invited for the above post from suitably qualified persons to commence as soon as possible.

DUNDEE COLLEGE OF TECHNOLOGY

LECTURESHIP IN QUANTITY SURVEYING

Applications are invited from suitably qualified persons to commence as soon as possible.

THE TIMES Higher Education SUPPLEMENT

Newspaper information and contact details.

Handwritten note: 18.2.77

Colleges of Further Education

TRINITY COLLEGE OF MUSIC, LONDON
DEPUTY DIRECTOR
OF EXAMINATIONS

Trinity College of Music seeks a mature person, probably aged between 40 and 55, and preferably a graduate, to be responsible for the day-to-day running of the Examinations Department which organizes practical and written examinations at home and overseas, and to act as Deputy to the Director of Examinations.

HARPER ADAMS AGRICULTURAL COLLEGE
NEWPORT, SHROPSHIRE
LECTURER in MARKETING and
BUSINESS ORGANISATION

Appointed 1st September, 1977. Lecturing mainly to students on the B.N.D. Agricultural Marketing and Business Administration Course, operated jointly with the Merit Staffordshire Polytechnic's Department of Business and Legal Studies.

LONDON
INNER LONDON EDUCATION
AUTHORITY

LECTURER (in PRODUCTION MANAGEMENT) required for the I.L.A. Certificate in Management Studies. The holder will be responsible for the delivery of the course to students on the I.L.A. Certificate in Management Studies.

Colleges of
Higher Education

KENT
CHRIST CHURCH COLLEGE
Canterbury

Applications are invited from well qualified graduates for the post of LECTURER in GEOGRAPHY with effect from 1st September, 1977. Candidates should have a special interest in human geography and field studies and they will be expected to teach to honours degree level. Courses are offered leading to the B.Sc., B.A. & B.Ed. degrees in addition to the Post-Graduate Certificate in Education.

WINCHESTER
KING ALFRED'S COLLEGE
OF HIGHER EDUCATION

Applications are invited for the post of LECTURER in the Department of Business Administration. The holder will be responsible for the delivery of the course to students on the B.Sc. (Hons) Business Administration course.

General Vacancies

BRIGHTON

Immediate vacancy for experienced well qualified TEACHER of EPFL with business background. The holder will be responsible for the delivery of the course to students on the EPFL course.

Colleges of Education

CAMBRIDGE

Applications are invited for the post of LECTURER in ENGLISH. The holder will be responsible for the delivery of the course to students on the B.Ed. (Hons) English course.

Administration

LONDON

ASSOCIATION OF TEACHERS OF DOMESTIC SCIENCE
DEPUTY GENERAL SECRETARY
The holder will be responsible for the day-to-day running of the Association of Teachers of Domestic Science.

THE OPEN UNIVERSITY

ADMINISTRATIVE ASSISTANT
Applications are invited for the post of ADMINISTRATIVE ASSISTANT in the Department of Business Administration. The holder will be responsible for the day-to-day running of the Department.

REMINDER

Copy for Classified Advertisements in THE TIMES should arrive not later than 10.30 am Monday preceding the date of publication.

General Vacancies

JUNIOR PUBLISHER

As a result of the expansion of their university-level publishing, Longman Group Limited have an immediate vacancy for a Junior Publisher, specialising in Geography.

Reporting to the Humanities Publisher, the person appointed will undertake a range of interesting duties centring upon the initiation of projects and seeing these through from authors' typescript to finished books.

For an application form and further details please telephone or write to:

Mrs. S. Etherington, Personnel Officer, Longman Group Limited, Longman House, Burnt Mill, Harlow, Essex. Tel: Harlow (0278) 26721

ANGWRDDEFA GENEDLAETHOL CYMRU
NATIONAL MUSEUM OF WALES
KEEPER OF GEOLOGY

Applications are invited for the Keepership of the Department of Geology which will become vacant on 1 April 1977 on the appointment of the present Keeper, Dr. D. A. Russell, as Director of the Museum.

Research

Institute of Hearing Research
University of Nottingham

Speech and Hearing
Scientist

Applications are invited for an appointment to the scientific staff to develop a programme of research into interactive and other advanced methods of diagnostic assessment of auditory perceptual capacity.

Applicants should have relevant post-doctoral experience. Degrees may be in any scientific subject but specialist expertise in perceptual testing and computer-based methods is essential.

Announcements

WOMAN STUDIES

Callaghan from 1st Feb. Books available from 1st Feb. 1977.

FRENCH PROTESTANT CHURCH OF LONDON

1977 EDUCATION AWARDS
Limited funds are available for the award of a French Protestant Education Award.

PALESTINE INDEX TO IAN THAMES

A limited number of the original quarterly handbooks are available and will be available from 1st Feb. 1977.

MRC
Medical Research Council

PROPOSED NOTICE OF VACANCY

Geography: Chairperson

The College Park Campus of the University of Maryland is seeking a distinguished scholar with exceptional administrative capacity to serve as Chairperson of the Department.

The University of Maryland actively subscribes to a policy of equal educational and employment opportunity.

Dr. John H. Cumberland, Chairman, Geography Search Committee, Bureau of Business and Economic Research, University of Maryland, College Park, Md. 20742.

Overseas

STATE COLLEGE OF
VICTORIA AT COBURG
MELBOURNE, AUSTRALIA

DIPLOMA OF
YOUTH WORK

The State College of Victoria at Coburg is a fully-fledged college in the State College of Victoria Family of Teachers' College of the Victorian Education Department. It is an independent institution.

SENIOR LECTURER

Applications are invited for the post of SENIOR LECTURER in the Department of Mathematics. The holder will be responsible for the delivery of the course to students on the B.Sc. (Hons) Mathematics course.

Overseas continued

UNIVERSITY OF PETROLEUM AND MINERALS
DHAHRAN, SAUDI ARABIA

The University of Petroleum and Minerals, Dhahran, Saudi Arabia, is having teaching positions open for the Academic Year 1977-78, starting 1 September 1977. Applications are invited from

PHYSICISTS

Minimum regular contract for two years, renewable. Excellent salaries and allowances, free air conditioned housing, free air transportation to and from Dhahran each two years for air conditioners and family, and the opportunity to study children. Local transportation allowance in cash each month.

Mr. G. E. B. Harrison, Gabbles-Thring Services Ltd., Broughton House, 8, 7 and 5, Sackville Street, Piccadilly, London W1X 2BR

A representative of the University will conduct interviews in London towards the end of February.

LETTERS TO THE EDITOR

Atkinson and libraries

Sir,—My own calculations (including the cost of the report) suggest that implementation of the Atkinson report's proposals would require a library which has already reached the norm to withdraw over the next 10 years at least 30 volumes per full-time equivalent student (planned numbers 10 years ahead). It is not surprising that this has caused dismay among librarians; but this has been expressed in fairly general terms.

There are three specific areas where the loss in service this implies (and I might note here that the working party seems to have been concerned with quantitative to the exclusion of consideration of qualitative effects) is likely, I feel, to affect the educational standards of universities.

First, in the range of material available to the student. Because the criteria for withdrawal are those of use (admittedly the easiest), books which are little used will be withdrawn to a local store (which is likely to make them less used, and if not used in five years will be sent to a central store. Alas, our students do not always read as widely as they should; and this means we must come to provide far what ought to be their needs? "You can take a horse to water but you cannot make it drink" was never intended to advocate the removal of horse troughs. A university library is surely an educative as well as a purely service function.

Again, because of the same criteria, librarians are likely to find themselves withdrawing those books they have provided against the future establishment of new courses. The books needed as basic background may have gone out of print when the course is founded; they will certainly be more expensive. The problem exists in scientific institutions, as I know; it is even greater in the field of

arts. Like most writers of Don's Diary, Wilfred Athorw (THES, February 4) is obviously a busy man—so busy, perhaps, that he can pay scant attention to his own professional literature. How else can one explain his remarkable assertion

to give an example of how such courses satisfy most of his considerations. The minimum entry qualification for this HND is one A-level in mathematics and three other O-levels (or equivalent) and the course is normally completed in two years with a qualification acceptable to employers, commerce and education. A successful third advanced year can be taken to obtain professional exemption.

Those students at Thames Polytechnic whose performance is of a sufficiently high standard at the end of the first year of this HND course are offered a transfer to the second year of the degree courses and most accept (in an average of about three per annum). Not only do the students not lose time, but at the end of the second-year degree (part I) they are considered for the four-year sandwich honours course, or for the third year of the degree course with or without industrial training. In some 10 years, no student offered this opportunity has failed to obtain a degree.

Our HND in computer studies has a similar connexion with our BSc courses in computer science and such possibilities exist in other courses in several polytechnics.

I suggest that before we ask whether we should accept the DipHE as a one A-level entry course we look carefully at what exists and whether the potential of the students is not already adequately exploited by a broad spectrum of entry qualifications with flexible transfer channels in many fields.

The other fields, particularly those with a vocational possibility, might be better catered for under the HND umbrella than by converted DipHEs. The advent of technicians and Business Education Council could in the future affect such HNDs, but not necessarily adversely. Only if the TEC/BEC plans reduce the flexibility now available might there be a case for considering the replacement of the HNDs by one A-level DipHEs.

Yours faithfully,
C. H. SEFTON,
School of mathematics, statistics and computing,
Thames Polytechnic.

TEC and life sciences

Sir,—I add a few observations to your report (THES, January 29) of the meeting on the Education Council, held in London on 18 January. Flattery is hardly convincing and I must confess that I am far from being a leading H.C. Council member. My only qualification for writing is that I was the only one present at the Level meeting.

It is proper that professional associations should seek to improve their status. The frequently means focusing attention on the growing point—the upper echelon—to achieve for these most able people the position they deserve. A quite different attitude is that I was the only one present at the Level meeting.

Professor Asworth's rather eccentric opinion on this point perhaps casts some doubt on the value of his later comments on the Atkinson report. It appears to be saying—25 the report itself does not— that "self-renewal" provides a brilliant new solution to our problems; and also that university librarians are objecting to the idea on obscure philosophical grounds.

In fact, there is surely nothing new about the "self-renewing" principle except its somewhat bizarre name, and almost all the objections which I have seen are practical and based on experience. My own experience certainly indicates that the proposals, if carried out as an economy measure, would lead to a disastrous loss of books withdrawn as unused by librarians would have to be devised—and farewell to the simplicity which is the basis of the B.L.D. service?

Perhaps, before the University Grants Committee goes ahead with implementation of its Working Party's proposals it would care to reconsider them in the light, not just of libraries, but of university education as a whole.

Yours faithfully,
IAN LOVECY,
Deputy Librarian,
UMIST,
Manchester.

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A "REVIEW OF NEW COURSES" FEATURE

will be Published on Friday, March 4 1977

For further details of advertising please contact John Ludbrook 01-837 1234

Courses

IRENT (London, Brighton & Education) COMMITTEE
TUTOR/QUADRANTS FOR UNEMPLOYED SCHOOL LEAVERS COURSES

The Authority wishes to recruit as soon as possible two Tutor Organisers to be responsible for courses for unemployed youngsters aged 16 to 18. Details of the two successful candidates will be qualified in clerical/receptional duties and with responsible maturity for basic personal education (literacy, numeracy and social studies). This course is to be operated on a voluntary basis at Kilmuir Polytechnic. An interest in Counselling would be an advantage. Temporary post to 31st August, 1978, in first instance.

Salary: Scale Burnham F.3. Lecturer 1 or 2 according to qualifications and experience. £2,560 to £3,975 plus £2,375 plus London Weighting. Allowance: £400 plus £235 supplement.

Further details and application forms from the Director of Education, Education Dept., C.O., Box No. 2, Westfield House, 8 Park Lane, Wembley, Middlesex. HA9 7BW. Closing date for applications 15th March, 1977.

01-837 1234